

THE DRINK WATER
BOOKBINDING CO.
35 MUTUAL ST.
TORONTO

Copper, Tin, Antimony, etc.
Langwell's Babbit, Montreal.

CANADIAN

HARDWARE

AND METAL
MERCHANT

VOL. X

MONTREAL AND TORONTO, JULY 2, 1898

No. 27



Magnolia Metal

*Best Anti-Friction Metal for
all Machinery Bearings.*

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamped
on the under side of
each bar.



MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Traders' Building,
MONTREAL—Caverhill, Learmont & Co.
General Dominion Agents.

Owners and Sole Manufacturers,
**266 and 267 New York
West St.,**

FULLY STOCKED.

Buyers of "QUEEN'S HEAD" Iron can now
obtain any of the standard sizes out of stock from
their jobbers, as it was only for a few days that there
was a shortage of one principal size. There is always
a complete stock of this brand in the hands of leading
merchants, as well as in our own warehouses at Mon-
treal and Toronto, and fresh importations are rushed
forward in a manner equalled by no other makers.

**JOHN LYSAGHT, Limited,
BRISTOL and MONTREAL.**

11 Years of Progress

for Radiators. Eleven years of progress mark its supremacy—its achievements. It has withstood the unequalled test of time.

Reasons: No bolts, rods or packing. Light, durable, perfect finish of castings. Stand a pressure of 140 pounds to the square inch. Free, positive, quick circulation of heat. Fit curves, circles, angles. You can't buy better than the "best" there is or can be.

There is an old saying, but a good one:
"You can't stand still—you must either progress or go
backwards." Leaky Radiators are relics of an old-fashioned
past—the Safford Radiator has screw nipple connections
and **can't** leak.

It is the result of progressive action on the part of
the largest Radiator Manufacturers under the British Flag.
It is the **original** invention in pipe-threaded connections

The Safford Radiators

FREE BOOK ALL
ABOUT THEM—FOR A
POST CARD.

The Toronto Radiator Mfg. Co.
Limited
Toronto, Ont.

RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President.

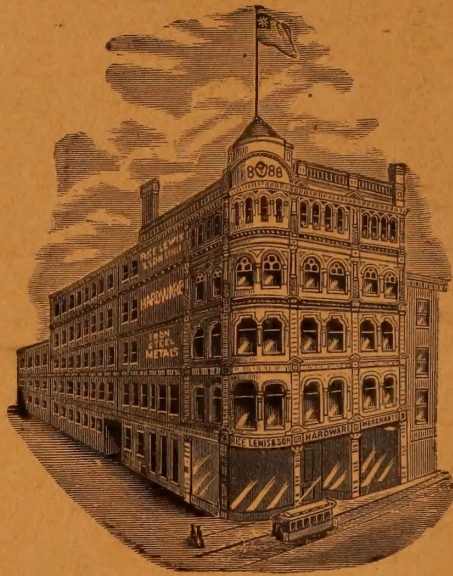
A. BURDETT LEE, V. P. and Treas.

Importers of . . .

Bar Iron
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Boiler Plate

Shelf and Heavy

Hardware



MANTELS
GRATES
TILES

Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets

...TORONTO

"Solidity"

In speaking of DUPLEX TUBS, this word is particularly applicable, as it is the "solidity" of the Tub that is a great point of merit. The steel, copper and tin are all practically fused together, making one solid sheet. It is therefore almost impossible to dent or bruise one of Booth's DUPLEX Copper-lined Bath Tubs.

"DUPLEX"



BOOTH'S PATENT

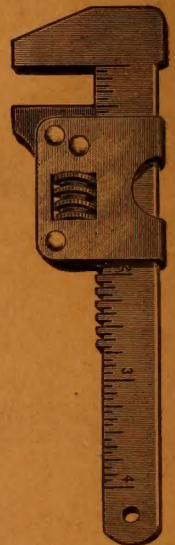
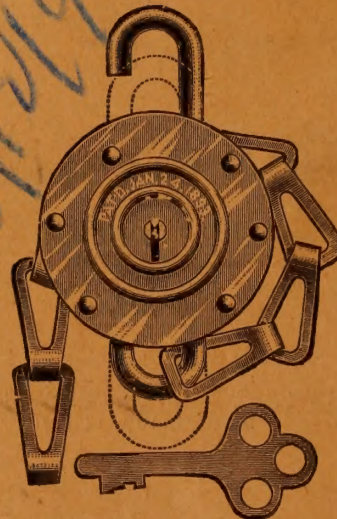
Sole Manufacturers in Canada:

The Toronto Steel-Clad Bath and Metal Co., Limited

TORONTO

Bicycle Sundries

Toe Clips, Coasters,
Wrenches, and
BICYCLE PAD LOCKS



Also . . .

"Giant" Metal Sash Chain, Pulleys, "Red Metal" and Steel Chain---Pad Locks, and Rat Traps.

Manufactured by

THE SMITH & EGGE MFG. CO

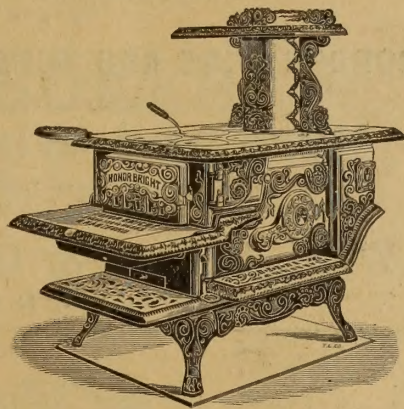
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Sundry Catalogue.

Bridgeport, Conn., U.S.A.

"HONOR BRIGHT"

Wood
Cook.

- Heavy.
- Massive.
- Substantial.
- Durable.
- Extra Large Oven and Firebox.



Fitted with Patent Illuminated Oven Door, Corrugated Oven Bottom, and all modern features of Cook Stove construction.

If you have not handled this Stove, it will be to your advantage to secure samples, and arrange for the exclusive sale in your locality.

The William Buck Stove Co., Limited

Manufacturers of the celebrated
"HAPPY THOUGHT" Range.

BRANTFORD, ONTARIO

It stands to reason that Hose made with a

SEAMLESS TUBE

should be superior to that with a seam.

WHY? Because the inner tube is equally strong at all points, there being no joint for the water to find its way through.

All our brands of hose have our
Patent Seamless Tube.

"Star," "Maroon," "White,"
"Western," "Wire-Wound,"
"Rubber Lined Cotton,"
"Trade."

THE CANADIAN RUBBER CO.

OF MONTREAL

CAPITAL - \$1,500,000.

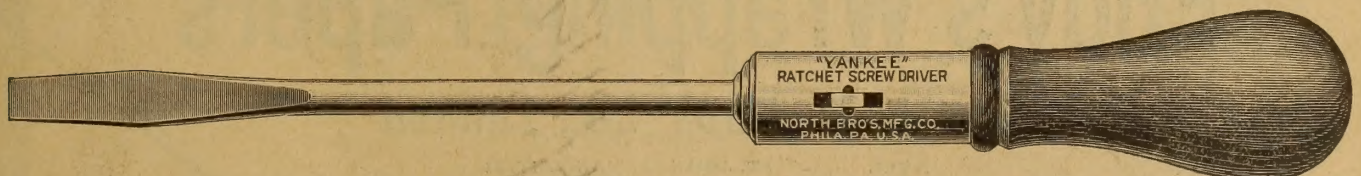
Montreal, Toronto, Winnipeg.

OTHER TOOLS ARE VERY GOOD TOOLS, BUT

"YANKEE" TOOLS ARE BETTER



SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

Sold in Canada by _____

CAVERHILL, LEARMONT & CO.	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	"
RICE LEWIS & SON, Limited	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	LONDON

Descriptive Circulars will be mailed
on application.

North Bros. Mfg. Co.

Philadelphia, Pa., U.S.A.

Established 1825.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinsch's Sons Co. vs. Hermann Boker & Co:

"The complainant (R. Heinsch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinsch' or 'H. C. Heinsch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinsch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinsch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorn & Co., St. John, N. B., and others.

COLDBROOK IRON AND STEEL CO.
LimitedManufacturers of
all kinds of**BAR IRON.**

o o o o

GORDON WIRE AND WIRE NAIL WORKS.

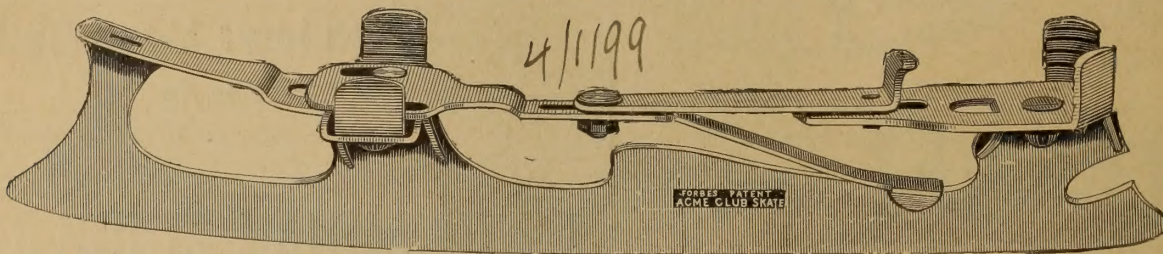
Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

**THE GENUINE ACME.**

We are now prepared to fill orders promptly. We make the highest grade of skates, and guarantee them. We solicit your inquiries. Goods dated 1st Nov.

THE STARR MANUFACTURING CO., Limited

T. L. PATON, Resident Agent, Montreal, Que.

DARTMOUTH, N. S.

The fibre is long
and strong

**BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE**

Eddy's Wrapping Papers**The E. B. EDDY CO., Limited**

HULL
MONTREAL
TORONTO
LONDON

ST. JOHN
HALIFAX
HAMILTON
WINNIPEG
QUEBEC

VANCOUVER
VICTORIA
ST. JOHN, Nfld.
KINGSTON

The paper stands
wear and tear

THE INCREASED DEMAND

... FOR ...



**H. BOKER
& CO'S**



UNRIVALLED

Razors

Scissors

Pocket Cutlery

is testified to by all experienced dealers.

For Sale by _____

Wood, Vallance & Co.
Hamilton, Ont.

HAPPY IS THE DEALER

who can obtain control of a line of Ranges for coal and wood, and for wood only, that are complete in every detail, that are absolutely perfect in operation, that are attractive in appearance, that are profitable to handle.

The ABERDEEN RANGE

FOR COAL

17-inch, 19-inch, and 21-inch Ovens.

The VICTORIAN RANGE

FOR WOOD

22-inch, 24-inch, and 26-inch Ovens.

If you do not control the sale of these Ranges for your town you are missing it. They combine all the qualities named above, and every other desirable feature in Range construction required to ensure effectiveness in both operation and in sale.

The Copp Bros. Co., Hamilton, Ont.

Limited

Toronto Branch—81 Queen St. W.

Brass

RODS,
SHEETS,
WIRE.

Copper

INGOT, SHEETS.

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin
164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

"The proof o' the puddin is the preein o' it."

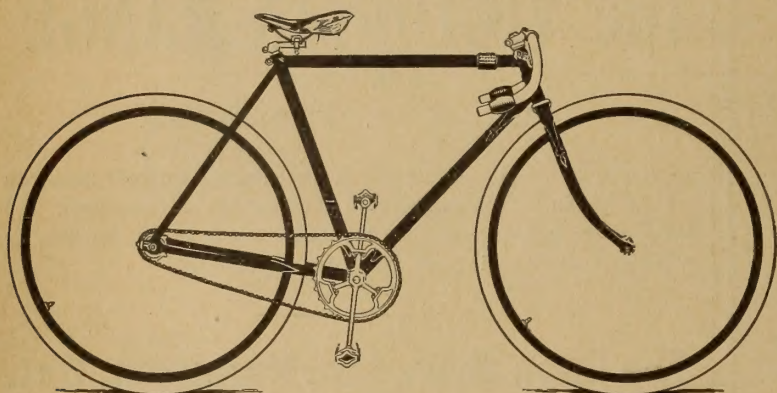


Is exemplified in the way our PATENT MILK CAN TRIMMINGS have been in request. Although we always lay in a stock of raw material in excess of the probable requirements for these goods, our original stock was cleared out. We now have a further supply, and can furnish promptly the **GENUINE ARTICLE**.

The Thos. Davidson Mfg. Co.

MONTREAL

Limited



RAMBLER BICYCLE, MODEL 26.

BERTRAM, WILSON & CO.

IRON, STEEL and HEAVY HARDWARE,
LUMBERING, MINING and RAILROAD-
ING SUPPLIES, PICKS, SHOVELS,
CROWBARS, AXES, SAWS and FILES,
NAILS, SPIKES and BOLTS.

Agents for

Gormully & Jeffery
Mfg. Co., CHICAGO.

53 YONGE ST.

...Rambler Bicycles.

Kemp's Blue Flame Oil Stoves

ARE NOT AN EXPERIMENT.

Satisfied Users Testify to their Excellence.

(COPY)

HALIFAX, N.S., May 18th, 1898.

DEAR SIRs,—I have had one of your "Blue Flame" Coal Oil Stoves in daily use for over a month, in the Cooking School here, and can testify to its many excellencies. The construction is so simple that the children have no difficulty in managing it. There is absolutely no odor from the burning oil, and no waste. The oven can be perfectly heated in ten minutes, and then will cook everything that can be cooked in a coal range oven; bread, meat, cakes and pastry. The heat is so steady, that, while things cook thoroughly, there is no danger of burning. There being no attachments, as in a gas stove, the coal oil stoves can be moved at pleasure, and are so neat they might stand in any room.

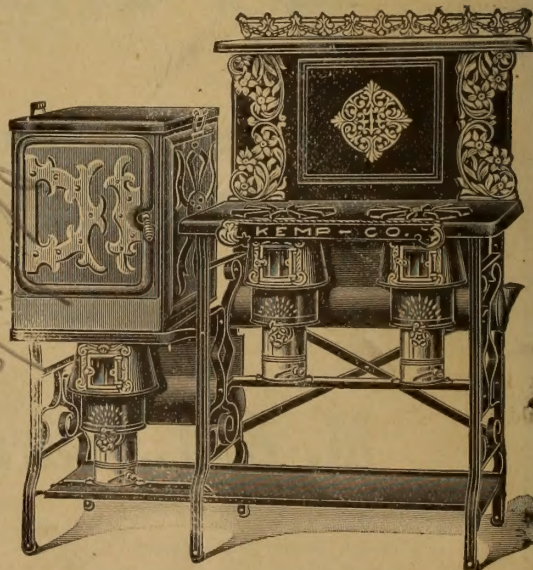
I am, Yours very truly,

(Signed) HELEN N. BELL,

Principal, School of Cookery, Halifax.

To A. M. BELL & Co., Halifax, N.S.

Agents for "Kemp's Blue Flame" Oil Cooking Stoves for Halifax.



Are you ready for the trade in this line?

ALL SIZES AND STYLES IN STOCK.
WICKLESS STOVES SUPPLIED IN 2 AND 3 BURNER.

KEMP MANUFACTURING CO.

Toronto



President, Treasurer,
JOHN BAYNE MacLEAN, HUGH C. MacLEAN
Montreal. Toronto.

THE MacLEAN PUBLISHING CO Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P. E. Island and Newfoundland.

OFFICES:

MONTREAL - - - - Board of Trade Building
Telephone 1255.
TORONTO - - - - 26 Front Street West,
Telephone 2148.
LONDON, ENG. - - - 109 Fleet Street, E. C.,
J. M. McKim.
MANCHESTER, ENG. 18 St. Ann Street,
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M. J. Henry.

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Published every Saturday.

Cable Address in London, "Adscript."

**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

SHARP REDUCTION IN TACKS.

AN important change in certain kinds of tacks was announced by the manufacturers on Wednesday.

A couple of weeks ago, it will be remembered, **HARDWARE AND METAL** announced that it was possible a reduction in price would take place shortly. This reduction has now taken place, and it runs from 10 to 20 per cent., according to description of tack.

The following is a list of the tacks in which changes have been made, together with a comparison with the discounts previously ruling on the same:

	New Discount Per cent.	Old Discount Per cent.
Strawberry box tacks....	75	70 & 10
Cheese box tacks, blued. 80 & 20		80
Trunk tacks, black and tinned.....	80 & 12½	80
B.B.B. iron carpet, blued and tinned.....	80 & 12½	
B.B.B. cut tacks, blued and tinned.....	80	75 & 10
B.B.B. cut tacks, ¼ weights, 4 to 14.....	50	45
B. B. B. cut tacks, ¼ weights, 4 to 10.....	55	50
Swedes cut tacks, blued and tinned— In bulk.....	80	75 & 10
" Car'ge tacks, blued	80	75 & 10
" Upholsterers'.....	80 & 20	80
Trunk nails, black and tinned.....	75	70
Clout nails, black and tinned.....	75	66½
Lining tacks, solid heads (in bulk).....	70	60

The cause of the reduction in prices is the competition of United States manufacturers, and particularly in upholsterers' tacks, which have been coming in freely.

It is claimed that the upholsterers' tacks made by the United States manufacturers are the product of steel, and not of Swedes iron, and are, therefore, inferior in quality to the Canadian made article. There is some talk, however, of the Canadian manufacturers resorting to the same material in order to compete with the imported tack.

When a man has "ad" sense he is on the way to add wealth to his business.

THE RETAILER BEARS THE COST.

The trading stamp scheme is educating consumers that they are getting something for nothing.

And the trouble is that the retailer, who assists in this wrong system of education, pays for the tuition.

SEASONABLE WINDOW DISPLAYS.

What's seasonable now for a window display? This is one of the questions that the modern hardware dealer is continually asking himself. The answer will be the same one in most sections of Canada during the next few weeks.

Scythes, sickles, sharpeners, rakes, forks, handles, etc., can be made into an attractive, as well as a most suitable display, for farmers, like all other classes of people, have a habit of postponing the purchase of the goods they want till the irresistible force of necessity compels them to do so. And the dealer, who is ready before the demand, gets it when it comes, if he makes it thoroughly known that he is ready.

PARIS GREEN ACTIVE.

The warm weather is stimulating the demand for Paris green, the volume of business having been especially heavy during the past week.

As a rule, the second week in July witnesses the close of the Paris green season in Western Ontario, as far as the wholesale trade is concerned. In Eastern Canada, however, the season closes much later. In Prince Edward Island the potato bug is said to be extremely plentiful and aggressive.

If the present activity in the market continues it is asserted by some that both a scarcity and higher prices are possible before the season closes.

It is perhaps not generally known that in Newfoundland the Colorado beetle is so far a stranger.

TRouble IN THE TIN-PLATE INDUSTRY.

TROUBLE between the tin plate workers and their employers is imminent in Wales.

As everyone knows, the tin-plate industry in Wales has been a declining one ever since the United States, about five years ago, began to largely supply her own wants in this article. And, with the decline of business came a decline in the rate of wages.

The reduction in wages was from 15 to 25 per cent. on what is known as the 1874 list. At the Old Castle, Old Lodge and Western Works, Llanelly, Wales, the reduction was 15 per cent. The agreement between the masters and men in regard to this reduction expired by time limit on Thursday last, June 30th. And the men at a meeting held some time ago declared by resolution that they would no longer work at the reduced rate, demanding that the 1874 wage list should again be called into operation.

The owners, however, have declared that they cannot comply with the demand of their men, and request that the present rate be allowed to obtain for at least another three months.

According to our exchanges, however, the men seem obdurate, and the worst of it is that if the employes at the Llanelly mills strike, those at other mills threaten to do so also in sympathy.

One of the reasons assigned by the employes why they should receive the desired increase in wages is that the price of tin plates has advanced 4½d. per box. In rebuttal, the masters contend that, while this is so, the price of steel bars has appreciated equal to 5d. per box of plates, to say nothing of the increased cost of block tin and coal.

Up to the time of going to press the cable has announced nothing in regard to the matter. It is to be hoped the strike has been averted, for a fight between tin-platers and masters would only make worse what is already bad enough as far as the tin-plate industry is concerned.

In 1890 the exports of tin-plates were 419,025 tons, and in 1897 they had fallen to 271,909 tons. In the former year the United States took 318,108 tons, and in the latter year only 85,475 tons, or a loss of

232,633 tons in one market alone. It is true that in the exports to other countries there has been a gain of 85,517 tons, but notwithstanding that the total exports in 1897 showed a net loss of 147,116 tons.

Owing to this decreased trade many tin-plate mills have been closed down, and a great deal of destitution exists in consequence. In view of this, together with the unsatisfactory condition of the export trade, a strike at this time would appear to be the most unwise of things possible to conceive.

CANADIAN LINSEED OIL.

We learn from the paint manufacturers that the supply of Canadian linseed oil is practically exhausted until a new crop of seed shall have been grown and crushed.

Does it not appear strange that our home demand for linseed oil should not be supplied by our own growers and crushers? Yet, the fact we have time and again called attention to in these columns still holds, that we send \$300,000 of good Canadian money abroad every year to bring linseed oil to supply the shortage of our own crop.

Why should we longer find it necessary to call into requisition the aid of the Hindoo in the east or the Italian in the south, when our own broad acres are fit to yield not only sufficient, but superior, seed to any we can buy?

HARDWARE AND METAL believes that if we find the seed we will soon find additional crushers to handle it, and, in giving a share of his attention to linseed, the grower would have the benefit of a steady home demand at a comparatively steady price.

QUALITIES OF CASTOR OIL.

As is well known, East India has long furnished Canada, as well as the rest of the world, with its castor oil. The bulk used in Canada is imported through England via Montreal, and is the pure article.

During this season, some United States manufacturers have been placing on the Canadian market an inferior article of their own manufacture, which is sold here at \$1.00 lower than the market price of the East India goods.

It is well that the trade should know that there are now two qualities of castor oil on the market, for otherwise the inferior goods might be bought and sold as pure stuff.

The trade should remember, too, that the

use castor oil is put to demands that it have peculiar qualities. The great proportion of it is used for oiling axles, and, unless it has a tremendously strong body, as the pure undoubtedly has, it will be costly economy to use a cheaper article.

YOUNG MEN AND SPARE TIME.

MANY young men are there to-day who would be filling better and more lucrative positions than they now are had they more zealously minded their "P's" and "Q's" at earlier periods in life.

Youths who spend their spare time either in doing nothing or in cultivating habits which weaken them physically and mentally, must necessarily be unfitted to fill the best places in business, or in any other calling.

Only when they are well utilized do moments become golden. Moments badly used are as lead which impede the progress of young men.

Time spent with good books, good trade papers, and good anything whatsoever which will improve the mind, and particularly help to qualify for the designed avocation in life, is time well spent, for it does not retard; it helps.

CANADA'S FOREST WEALTH.

The value of the forest productions of Canada each and every year just now is in the neighborhood of \$80,000,000. This is four times the annual value of all our fisheries. It is nearly three times as much as the annual product of all the mines in Canada—gold, silver, coal and everything else. If this great forest wealth can be increased many times over in value by study and care, there is surely no better subject worthy the attention of our people.

This is from The Ottawa Journal, a paper which takes an intelligent and active interest in the development of the country's resources. It is another suggestion to boards of trade and individual merchants everywhere in Canada to take an interest in this subject. As we have frequently said, they must lead the farmers and artisans. As a class they do not progress of their own accord.

VISIT FROM A HALIGONIAN.

Mr. H. D. Romans, who has lately started business for himself in Halifax as broker and manufacturers' agent, has been in Toronto this week, partly with a view to acquiring new agencies, a few more of which he desires to secure. Mr. Romans reported business rather quiet in Nova Scotia just now on account of the war between the United States and Spain, which has naturally caused a curtailment of that Province's trade with the West Indies.

REVIVING A NEW BRUNSWICK INDUSTRY.

NEW possibilities in agriculture promise to be opening up for New Brunswick. As probably everyone knows, that Province's importance as a wheat producer is practically nil: Nearly all the wheat and flour it uses comes from Ontario and Manitoba.

It may surprise a good many people to know that it was not always thus, although it has been so for about half a century.

Prior to 1840, New Brunswick, it is estimated, raised something like 300,000 bushels per annum, which, according to population, was not considered bad. But, in 1841, the weevil began its ravages, and, by about five years later, wheat raising was practically discontinued in several counties. The ravages of the weevil extended to 1847 or 1848, and in the latter year the little wheat that was sown was largely decimated by rust.

Although wheat growing was never wholly discontinued in the Province, yet there was never, from that time to this, any material recovery from the damage done by the weevil between 1841 and 1848.

By 1847, oats began to be generally substituted for wheat, and from then until now have been a staple product in New Brunswick.

In spite of the disastrous experience of half a century ago, it seems strange wheat-raising has not been resumed to any great extent. Fall wheat the Province does not appear to be adapted for, but the spring wheat it produces is of an excellent quality. Mr. C. L. Smith, a member of the New Brunswick Legislature, declared a few months ago that it was equal to Manitoba wheat.

Away back in 1849 Prof. J. F. W. Johnston, F.R.S., made a special report upon the agricultural possibilities of New Brunswick, and he showed, based upon 62 independent returns, that the average production of wheat in the Province, per Imperial acre, was 20 bushels, against 15¼ bushels in New York State, and 14 bushels in Ohio. The yield in many parts of the Province was 30, 35 and even 40 bushels per acre.

As long as the minimum price of 40c. per bushel could be obtained for oats, the

farmers were well paid, and, naturally, did not care whether they raised wheat or not, but, since that figure is no longer obtainable, they are just as naturally looking for some "better thing." And, towards the close of last year, a strong agitation in favor of increasing the wheat production had been developed, while the Provincial Government was importuned to lend its aid.

The agitation found a sympathizer in the Premier, and on March 18 last, the Legislature passed an Act according aid to not only the farmer, but to the miller as well, for the mills there had become unfit to grind wheat, many of them having for so many years none of that cereal to grind. The following is a copy of the bill:

Whereas, for the further encouragement of agriculture within the Province, it is desirable to stimulate the production of wheat for home consumption.

Be it therefore enacted by the Lieutenant-Governor and Legislative Assembly as follows:

1. The Commissioner for Agriculture is hereby authorized to grant assistance, by way of bonus, to persons or companies erecting mills for the grinding of wheat, by the Hungarian or other roller process, in localities where no such mills are at present established, or, for the conversion of any existing mills into mills equipped with such roller process. The location, style and capacity of mills to be aided shall be approved of by the Lieutenant-Governor-in-Council, who shall prescribe the amount of bonus in any case, and the conditions upon which the same may be granted.

2. The Commissioner for Agriculture may also, subject to such conditions as the Lieutenant-Governor-in-Council may prescribe, purchase such quantities of seed wheat and other seeds as he may think desirable, and place the same on sale at convenient points, in order to afford an opportunity to the farmers to obtain the best seed at reasonable prices.

3. The amount which the Commissioner of Agriculture is authorized to expend under the provisions of this Act shall not, in any one year, exceed the sum of five hundred dollars, and the same shall be paid by warrant by the Receiver-General out of the revenues of the Province.

4. This Act shall continue for five years from the passing hereof, and no longer.

The action of the New Brunswick Government is to be commended. If there is an intelligent and judicious carrying out of the provisions of the Act, good must undoubtedly result. And not only will the good results accrue to the farmer and miller, but the merchants and manufacturers will alike share in them. The more money the farmer and the miller earns, the more money is there to spend with the grocer, the hardwareman, and the dry goods merchant. And, indirectly, the whole country benefits therefrom. It is, therefore, obviously to their advantage that business men should encourage schemes of this kind, particularly when it is clearly a natural industry they are designed to build up.

DROPS FROM THE EDITOR'S PEN.

When a man is too sharp in business he dulls trade.

Sympathy, as well as money, is often thrown away.

Merchants, who have many prices, lose both caste and custom.

A salesman should have a good character as well as good goods.

Grumbling never cultivates business; it keeps it from fructifying.

Fire is a good thing in a merchant, but it is a bad thing in his store.

Man without a will, like a cart without wheels, makes no headway.

The first dollar made in gambling, is often the first step towards poverty.

Ambition is the steam which sets the machinery of man's energy going.

You may get customers into your store by fooling them, but you cannot hold them by fooling them.

Opportunities are the doors through which men reach success—if they do not shut their eyes to them.

The commercial traveler is the link which keeps the retailer and the wholesaler in touch with each other.

Never remain in ignorance of a thing, when, by exerting yourself, knowledge thereof can be acquired.

He is a most foolish man who imagines that crooked ways in business are the most direct paths to success.

The advertisement is a sun which pierces the cloud of obscurity that hides from the public many a good article of merchandise.

One self-raising man is worth more than a dozen men who are dependent for their raising upon the leaven which the wealth of rich relatives supplies.

The mosquito may be a nuisance, but he is doing what Nature designed he should do. And thereby do we learn a lesson, even though his augur bores us.

RELATIONS BETWEEN MANUFACTURERS AND JOBBERS.*

BY JAMES D. FOOT.

ENTERING upon the subject allotted to me, I would ask what constitutes the jobber, and on what basis shall the manufacturer treat the jobber as to price? I will assume a firm or company employing a certain amount of capital, say \$100,000, this being the minimum, and the largest sum above this to be the maximum, say \$300,000. Between these two extremes are perhaps the majority, with a capital of perhaps \$200,000. Now, gentlemen, confronted as I am by your association, made up of these classes, tell me, is a firm of small capital entitled to the same prices as a firm of large capital, and, if extremes do not govern the decision, is he to make the price to the firms of average capital, and have that price apply to all?

Am I not right in asserting that whichever position the manufacturer takes, it would be contested by all three grades as subject to each particular class.

Will you decide this question for the manufacturer? Or, if you cannot formulate a plan satisfactory to all, then at least be lenient with the manufacturer, who tries his best to equalize for all. I leave this question and points bearing on it for your digestion.

TRIALS OF THE MANUFACTURER.

In many ways manufacturers are tried in their loyalty to jobbers by the tendency of some of the latter to use questionable methods, both with the manufacturer and their fellow jobbers in trade, thereby obtaining temporary pecuniary advantages for themselves.

To elaborate this statement necessitates my referring to one method. The dealer desires to purchase a certain line of goods on which he has a limited sale at the lowest prices, which necessitates a quantity purchase. What will he do? He has several resources, all of which injure some manufacturer, or some brother jobber. He will either act through some syndicate buyer, or purchase the quantity and unload his surplus at a small margin of profit in some other jobber's territory.

Some jobbers may combine to buy the quantity necessary to command the lowest prices, but, if knowledge of their transaction becomes public, the manufacturer is condemned for allowing such a deal on his goods. I would ask the jobber to supply a remedy for these abuses.

Again, on special lines of hardware, manufacturers, through the competition of others in their line, sell direct to the large

consumers. They would rather their jobbers took this order, but find two obstacles to contend against: The competitor in their own line who will cater to the consumer who claims his orders are large, his cash as good as any, and a firm decision that there can be no middleman in his deal.

SOME PERTINENT QUESTIONS.

Under these conditions, is the manufacturer to step aside and, in loyalty to the jobber, let the other manufacturer have it? He should hardly be called upon to make these sacrifices, and many of our best manufacturers in builders' hardware decline to do it.

I am forced to contend that competition between jobbers does more to reduce prices than does the competition of manufacturers with each other.

How familiar all manufacturers are with the first question asked when they come together to sustain prices and increase them: "How are stocks in the hands of the jobbers?"

Too often they have seen jobbers break the market instead of selling from the stock on hand at advanced prices for a good profit. Manufacturers have been the best of friends to jobbers in the past, by trying to meet every cut they have made by a little further reduction in prices. This has been done by reduction in cost of labor, material and the introduction of labor saving machinery.

But the point has now been reached where it is impossible to further curtail the cost of production, and it is imperative that the jobber should now hold for a living profit on his stock, otherwise he must go to the wall or join the retailers. He is beyond further help from the manufacturer in the way of lower prices, for that gentleman "has troubles of his own," and self preservation is heaven's law.

WHAT IS RECOGNIZED BY MANUFACTURERS.

Every manufacturer recognizes the fact that jobbers are put to large clerical expense by having travelers on the road. This in contradistinction to a large retailer who may have the same amount of capital in business as the jobber and yet dispose of it by direct sale of it over his counter, but at no expense for traveling salesmen. Some might say that this was the retailer's good fortune, but probably the majority of manufacturers will agree that if jobbers are put to special expense through travelers to dispose of the manufacturers' wares they therefore are entitled to better prices than large retailers, to protect them against this additional expense of travelers.

Changes of position between the manufacturers and the jobbers have been quite marked in the past years, through the establishment of jobbers' sectional associations throughout the United States. It is now possible for the manufacturer, by putting himself in connection with these associations, to come much closer in touch with the requirements of the jobbers, and, if conditions necessitate it, he has that very formidable and important body, the National Association, to which he can refer for guidance and assistance in properly protecting his interests and those of the jobbers as against each other.

A HINT FOR THE JOBBER.

I cannot too strongly commend the establishment of these associations, which tend to broaden the sphere of the jobber and materially assist the manufacturer. Let me make this a point for your consideration. Manufacturers will be naturally more prone to assist such jobbers who take a vital and close interest in manufacturers' products than they would with such jobbers who look merely upon the manufacturers in any special line as a base of supply which they can draw upon if so inclined, and change off to some other through any whim or fancied wrong.

The jobber must learn to believe that in order to get the best results from the manufacturers he must try and place himself so close to the manufacturers that each will work in the other's interest. If his efforts are spread out too thin by trying to represent several manufacturers on one line of goods, he will be apt to get only mediocre treatment from any of these manufacturers.

Manufacturers expect and believe that where they give up a certain territory to a jobber it is only loyal to the manufacturer that the jobber should absolutely devote his attention to the introduction of that line, to the exclusion of all others. If the jobber is not prepared to do this he has not a right to make demands on the manufacturer for exclusive territory or special consideration.

SPECIAL BRANDS.

There is much in the nature of special brands that should be attractive to the

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.,
Limited
HAMILTON, ONT.

*Paper read at the convention of the Southern Hardware Jobbers' Association.

jobber. If he considers it, two points must be carefully dwelt upon :

1. To be assured that the manufacturer will give him in every way as good an article under a special brand as he, the manufacturer, would put out under his own.

2. Has the jobber an outlet for sufficient goods of any one kind to warrant him in asking the manufacturer to make up a special brand for him ?

With these two questions satisfactorily answered the writer is of the opinion that permanent success can be made follow a trade laid down on these lines.

The great advantage to the jobber is that in working to introduce this brand of his own he increases the sale thereof, and he practically puts so much more capital into his business, for, if the brand is trade-marked, it in time becomes well known, and if the goods are satisfactory, they will be popular. When once the retailer or the consumer finds that a uniformity can be obtained under any special brand, he is always prone to ask for it when buying, and also speak of it to others. All of this tends to an insidious advertising of the article, and, in time, the retailer and the consumer are firmly convinced that the jobber is practically the manufacturer of it.

To illustrate : Going back 45 years, when English imported files held the market, a large retail house in New York, under the name of one of its heads, imported a brand of files made by Butcher of England, known as the J. H. White file. Making quality their first consideration, they won such a reputation on their file that in 1873 or 1874, when English brands of established reputation such as Butcher, Spencer, Jowett and Moss & Gamble were on the wane, and I was busily unloading a stock of \$40,000 of imported files, the White still had a local market, commanding its price and selling to the consumer well up in the thousands, and during that last year imported from \$500 to \$1,000 worth.

A jobber equipped with a special brand gets better prices, and has an article to sell that competitors can only obtain through him. While speaking on this point I now have in mind one of the largest jobbers in the United States, who takes enough in the line of hardware to keep one manufacturing establishment of 100 hands busy the year round, and his trade from its inception of \$10,000 a year is now \$75,000, and under this special brand shows a continually increasing growth.

I, therefore, as a manufacturer commend this argument to the consideration of the jobbers who are fitted and equipped to properly handle such brands.

Manufacturers owe much to the jobbers in one direction, which was little anticipated

by either when the manufacturer held for prices. Manufacturers have at last reached a point where they can successfully compete with the markets of the world. Nothing but home competition, aided by the dealers, would have secured these results.

EXTENT OF RECOGNITION OF RETAILERS BY MANUFACTURERS.

Another question for consideration is : To what extent shall the manufacturers recognize the retailers ?

In every city of 15,000 inhabitants or upward is a class of trade not to be defined as jobbers and yet too large to pose as retailers. Who shall provide these firms with goods ? Most of them decline to acknowledge loyalty to the jobber. At present, most of their stock is supplied by the manufacturer, it being the consensus of opinion by that body that they should supply that trade.

It would appear to me that the manufacturer most count on the jobber for the distribution of the bulk of his stock, but, in doing so, has a right to demand and expect the strongest support from the jobber. Their relations should be close ; I might say almost on a partnership basis.

Jobbers are already acting as retailers, virtually occupying a dual position. Is this right ? To my certain knowledge there are several jobbers who have not only retail stores in the city they are located in, but also special travelers on the road, securing the consuming business of the State in which they do business as jobbers. As a manufacturer, I sincerely wish lines could be clear, defining the absolute position of the manufacturer to the jobber, and true definition of the jobber, but, after making use of my previous arguments, familiar to you all by actual experience, I can draw but a few conclusions :

1. Jobbers must agree on an absolute definition as to what constitutes a jobber. If this is done, then the manufacturer, by a decision of the jobber, should agree on a certain percentage of profit to this class of trade.

2. An understanding must be obtained by these two bodies as to which shall supply the large retailer and very large consumer, who now protest and decline to acknowledge any middlemen between them and the source of supply.

3. With the position of the jobber defined, with it must come an agreement from the jobber. Shall one price govern all, or shall prices be graded by amount of purchase ? Then the manufacturer will know how to act and be better controlled. Those are hard nuts to crack, all of which I submit to your association for a solution. I am aware of the fact that what I have to-day read

It's in the Air

The success of S.-W. P. in Canada is felt and talked of everywhere.

It has been a success from the start. Its progress has been phenomenal.

We have received hundreds of letters from agents and dealers complimenting us on the excellent quality of our goods, and telling us of their success with them.

But best of all are the many letters we receive from **consumers** all over the country giving us news of the great satisfaction they find in the use of our paints, bought through our agents.

We're only well started now. Encouraged, and strengthened with our quick success, we will go forward with greater vigor, and increased activity until the whole land fairly shines with S.-W. P.

The . . .

Sherwin-Williams Co.

Paint and Varnish Makers

**CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON**

Walter H. Cottingham,
Managing Director
Canadian Dept.

before you, if only read in part by the casual observer, a wrong impression might be received as to the position I occupy, but if read as a whole, I think you must all admit I have tried to treat the subject justly and expose weakness which, if corrected, will only tend to strengthen relations between jobber and manufacturer.

And for this reason I personally wish to state that I fail to remember a single instance where I, or the company I represent, have been called to account for unfair treatment to the jobber. Nor can a jobber point to a single instance where I have attempted to go by him and sell to any of his legitimate trade.

Trusting that prosperity will perch for years on the golden boughs of your association, I will resume my seat and listen with interest to what those on the opposite side of the question may present for consideration.

GURNEY FOUNDRY CO.'S PICNIC.

ONE of the most, if not the most, successful of the picnics held by Toronto manufacturing establishments this year was held on Saturday last, when the employes of the Gurney Foundry Co., Limited, with their wives and families, or their best girls, some three or four hundred strong, went to Erie Park, Port Colborne, Ont., for a day's pleasure. The factory, office and traveling staffs of the company were well represented in the excursion party. The steamer Empress of India carried the crowd to Port Dalhousie, from which point the rest of the trip was made by special train.

The boat was timed to leave Toronto at 7.30 a.m., but was held five minute for belated passengers. Even this, however, was not sufficient, and one or two families arrived at the wharf "just in time to be too late."

The voyage across the lake was most enjoyable, as might be expected with a comparatively smooth sea, a good breeze and a band at the prow and an orchestra at the stern. Just as the boat neared Port Dalhousie, a rainstorm made it necessary to seek the shelter of the cabin and the covered decks.

On arriving at Port Dalhousie, a speedy change was made from boat to train. (It was here that W. J. Hallarn, of The Hallarn Furnace Co., Toronto, saved the life of a child by pushing two cars off the track with his hands. This is assured to be a fact, though the representative of **HARDWARE AND METAL** did not see the incident.) The trip from Port Dalhousie to Port Colborne gave all a good opportunity to see that fruit section of the Province. It was noticed that the season was well advanced all the way, in many cases the hay being cut and housed, cherries were ripe and potatoes were in

bloom. The pasture lands were fresh and green, and vineyards seemed to be in good condition. Quite a number of peach trees, however, were affected by the curly-leaf blight.

By the time the excursionists reached Port Colborne the rain had ceased, the park was found to be in excellent condition, and soon baskets were out and parties were scattered about appeasing the good appetites caused by the trip over water and land.

The excursion committee and a number of guests had dinner together at the Lakeview Grove hotel in the park. After dinner, Mr. Thos. B. Alcock, secretary of the Gurney Company, in the unavoidable absence of Mr. Gurney, president, and Mr. Carrick, manager, expressed pleasure that the employes were having such a successful trip, and that the excursion had been managed throughout in such an able and gentlemanly manner.

During the afternoon, a programme of sports was run off, and excited much interest and amusement. The event of the day was a match race between John Cunningham, foreman of the mechanical department, representing the company, and W. J. Hallarn, representing the retail trade, which was won after two trials by Mr. Cunningham.

These sports, combined with dancing in the pavilion and an impromptu march by

some eight or ten amateurs who got hold of the band instruments, made the afternoon pass all too quickly.

The return home to Port Dalhousie, by train, was enlivened by sport and song, and was possibly the most enjoyable part of the day. The trip across the lake was somewhat rough, spoiling the pleasure of a few.

Everything taken into consideration, however, the trip was a most unquestionable success, and too much credit cannot be given to Messrs. Goodwin, chairman, F. J. Taylor, secretary, W. H. Cormick, treasurer, of the excursion committee, John Cunningham, Ed. Predam and the rest of the committee, for the manner in which all arrangements were conducted. To all the employes, also, much credit is due, as a more agreeable and gentlemanly crowd could hardly be brought together.

This sentiment was freely expressed by members of the stove and the steamfitting trades, which were well represented. All expressed the desire to take in this picnic next year.

A dozen women were pounced upon, one after another, as they came off the ferry on Saturday night, and taken into the Windsor Customs house. Smuggled goods were found concealed on their persons to the value of about \$10 each. Addresses of the ladies were taken, with a view of prosecuting them. —Windsor, Ont., Record.

GILBERTSON'S

"COMET"

BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and **cost less.**

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. **Cost** no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . . 22 St. John St., Montreal.

H. S. HOWLAND, SONS & CO.

WHOLESALE
MERCHANTS

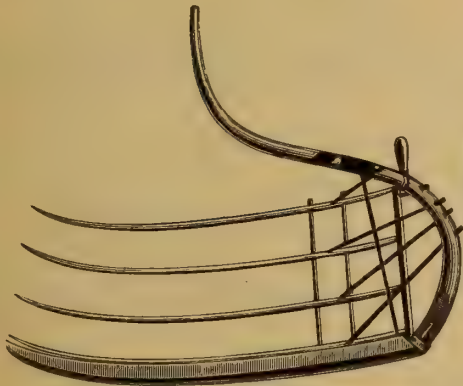
37 Front Street West

TORONTO

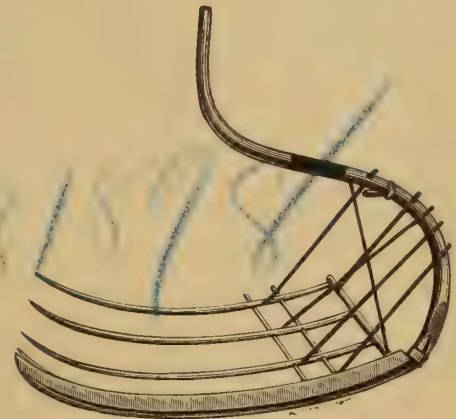
Rixford Harvest Tools

Screen Windows, Screen Doors, Fly Traps, Hammocks, Etc.

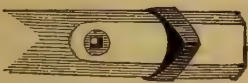
White Mountain Ice Cream Freezers---all Sizes.



HALF MULLAY.



FULL MULLAY.



Ring and Wedge.



Loop and Solid Plate.



Pat. Swing Socket.



Bush Double Ring.

Hay Forks
Straw Forks
Barley Forks
Manure Forks
Potato Forks
Corn Knives

Garden Hoes
Field Hoes
Weed Cutters
Post Hole Spoons
Reaping Hooks

Hoe Handles
Fork Handles
Rake Handles
D. Tops
Ferrules

Scythes, Snaths, Cradles, Scythe Stones,
Hay Rakes, Etc.

H. S. HOWLAND, SONS & CO.

THE BANK OF HAMILTON.

THE annual general meeting of the shareholders of the Bank of Hamilton was held on Monday, June 20, in the board-room of the head office.

There was a large attendance.

On motion, Mr. John Stuart was called to the chair, and Mr. J. Turnbull was appointed secretary.

Mr. Stuart, the president, submitted the annual report, as follows:

The directors beg to submit their annual report to the shareholders for the year ended 31st May, 1898:

The balance at credit of profit and loss account 30th May, 1897, was..... \$21,029.02
The profits for the year ended 31st May, 1898, after deducting charges of management and making provision for bad and doubtful debts, are..... 160,804.37

From which have been declared:
Dividend 4 per cent., paid 1st December, 1897.... \$50,000.00
Dividend 4 per cent., payable 1st June, 1898.... 50,000.00
Carried to reserve fund.... 50,000.00
Written off bank premises account..... 5,000.00
\$155,000.00

Balance of profit and loss carried forward..... \$26,833.39

The report for 1897 noted the beginning of the bank's operations in the Province of Manitoba. The experience of the past year's business has encouraged the directors to sanction a policy of gradual expansion and widening of the bank's influence and connections in that country.

Manitoba and the whole Northwest appear to be entering on an era of great development, and your directors consider the future prospects so inviting as to fully warrant the participation of this bank in the beneficial results that appear to be so promising.

One of the best and most prominent positions in Winnipeg for a banking office was secured, and the building is now being prepared for occupation. Three offices in the interior of Manitoba have been opened.

In Ontario agencies have been opened at Niagara Falls, Delhi and Southampton, whilst that at Alliston has been closed.

JOHN STUART, President.

Hamilton, June 9, 1898.

GENERAL STATEMENT.

LIABILITIES.

To the Public.

Notes of the bank in circulation..... \$1,187,573.00
Deposits bearing interest..... \$5,664,568.31
Deposits not bearing interest..... 1,951,454.92
Amount reserved for interest due depositors.. 68,351.24
7,684,374.47
Balance due to agents of the bank in Great Britain..... 195,160.51
Dividend No. 51, payable June 1, 1898..... 50,000.00
Former dividends, unpaid..... 202.96
50,202.96
\$9,117,310.94

To the Shareholders.

Capital stock paid up.... \$1,250,000.00
Reserve fund..... 775,000.00
Amount reserved for rebate of interest on current bills discounted... 30,000.00
Balance of profits carried forward..... 26,833.39
2,081,833.39
\$11,199,144.33

ASSETS.

Gold and silver coin.... \$184,481.33
Dominion Government notes..... 482,940.00
Deposit with the Dominion Government as security for note circulation..... 60,000.00
Notes of and cheques on other banks..... 233,058.44
Balances due from other banks in Canada and the United States.... 266,480.58
Canadian and British Government and other public securities..... 1,719,678.95
Loans at call on negotiable securities..... 796,236.31
\$3,742,875.61
Notes discounted and advances current 7,006,255.43
Notes discounted, etc., overdue (estimated loss provided for)..... 40,867.33
Bank premises, office furniture, safes, etc..... 350,433.74
Real estate (other than bank premises), mortgages, etc..... 16,018.79
Other assets not included under foregoing heads..... 42,693.43
\$11,199,144.33
J. TURNBULL, Cashier

Bank of Hamilton,

Hamilton, May 31, 1898.

The adoption of the report was moved by the president, seconded by Mr. A. T. Wood, M.P., and carried.

Mr. William Hendrie and Mr. Samuel Baker moved the usual vote of thanks to the directors, and Mr. F. W. Gates, seconded by Mr. F. W. Fearman, the customary acknowledgments of the shareholders to the staff.

Messrs. F. H. Lamb and George E. Gates were appointed scrutineers, and reported the reelection of Messrs. John Stuart, A. G. Ramsay, John Proctor, George Roach, A. T. Wood, M.P., A. B. Lee, and Wm. Gibson, M.P., as directors.

At a subsequent meeting of the directors, Mr. John Stuart was reelected president, and Mr. A. G. Ramsay vice-president.

AN ATTRACTIVE WINDOW.

Mr. Robert McAllen, one of Ottawa's most enterprising hardware merchants, has a striking and seasonable window, displaying lawn and garden tools. The window is about twenty feet long, and four or five feet deep. The floor is covered with nice green sod, in the centre is a fountain, around which is a pond, in which are stones and pebbles. The water soaks through the stones into a pan, which is connected with the waste pipe. The window is decorated with garden hose, lawn mowers, grass shears, watering cans, etc.

McDonald & Deering, general merchants, Whitney, Ont., have assigned to W. A. Cole.

Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

PICTURE CORDS, SHADE CORDS, PICTURE and SHADE HARDWARE, SOLID BRAIDED CORDAGE, BICYCLE DRESS GUARD LACING.

.....Ask your jobber for our goods

THE OSSAWAN MILLS CO.

Norwich, Conn., U. S. A.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring. "The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety, Toilet, Hand, Electric Power ARE THE BEST. Highest Quality Grooming and Sheep-Shearing Machines. WE MAKE THEM. SEND FOR CATALOGUE TO American Shearer Mfg. Co., Nashua, N.H., USA

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.

Agent for: Spear & Jackson, Sheffield, saws, tools, etc.; H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co., Halifax, N.S., skates; Atkinson Bros., Sheffield, cutlery.

Wholesale trade only.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplate, Tinned sheets, Tinned Plates, Canada Plates Galvanized sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

The Fork Handle Season is now on.

We have a very heavy stock—can ship promptly, and supply the best. Kindly write us for prices and secure samples before booking your orders for Axe Handles for Fall Shipment. We will be in a position to supply thoroughly seasoned goods, and of the finest quality of second growth hickory. We make a specialty of

"Hand Shaved" Octagon Axe Handles

(Made by Indians)

being the largest dealers in Canada in this line. Can give exceptional value in this handle for fall business.

Eastern Agent—W. B. Murdoch, Amherst, N.S.
Western Agent—Jas. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.

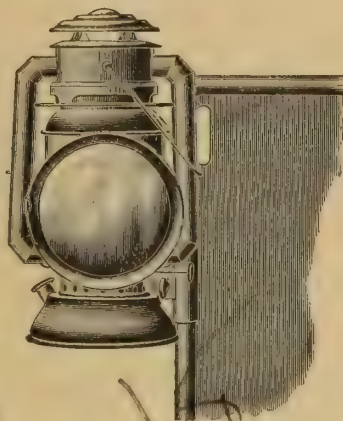
HAM'S No. 18 Driving Lamp.

"THE DOCTOR'S FRIEND."



We guarantee every Street Lamp we make to give perfect satisfaction, and we know they have no equal. Automatic extinguisher. First-class for summer resorts—not affected by the wind.

If you have never used Ham's Lanterns or seen them burn it will pay you to specify "Ham's" the next

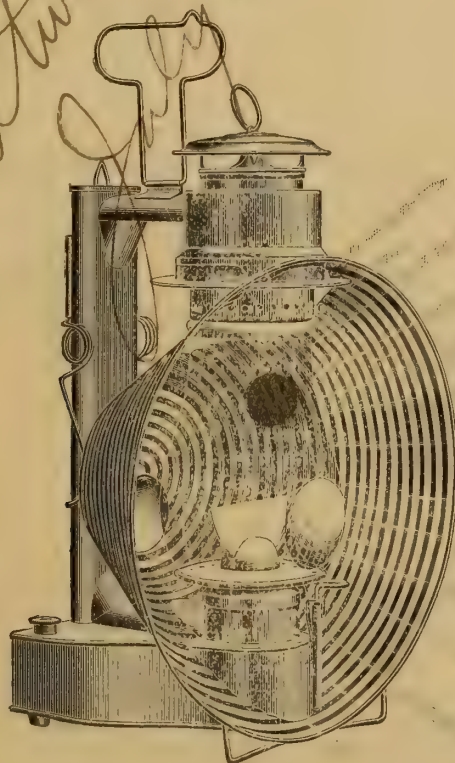


time you order. You will never be satisfied with any other make. Prices help make them so popular.



This is the ONLY original COLD BLAST lantern made. It may be copied, but such imitations are inferior in workmanship and burning qualities. A good lantern for use around windy places—a great seller.

Showing Lamp in position on end of dash. Can be used on front of dash also, by means of spring on back of dash.

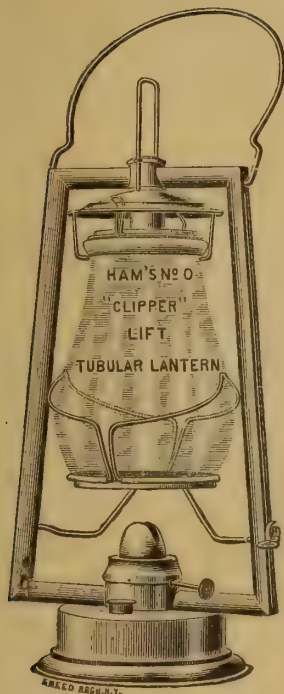


Ham's No. 20 Search Lamp.

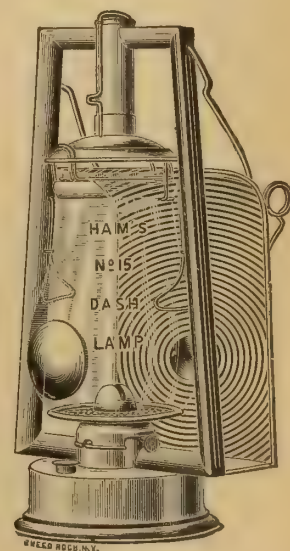
Finished in blue japan finish with bullseye or plain globe, as desired. Specially adapted for use on lawns, picnic grounds or summer resorts. Gives a magnificent light and burns so steady in strongest winds.

We Sell to the Jobbing Trade Only.

C. T. HAM MFG. CO.
ROCHESTER, N.Y. U.S.A.



"Slickest thing out." Takes No. 0 globe, 5/8 wick, locked burner. Most popular lantern made. Everybody likes it and you can't blame 'em.



A good combination lantern. Can be used as a common hand lantern or dash-board lamp. Finished in plain tin or blue japan, with plain or bullseye globe.

SPIRAL-RATCHET SCREW DRIVER.

THE advantages of the "Yankee" spiral-ratchet screw driver over similar tools are in its greater simplicity, compactness, strength, durability, and that it can be used as a rigid screw driver in any part of its length, as well as to push or ratchet screws in or out.

The change from right to left hand for either push or ratchet is made by simply moving the slide to either end of the slot. When slide is moved towards the bit it works right-handed, either to push or ratchet the screw in—pushing the screw in as far as it will go—and without removing the hand from the driver, or making any change whatever, turn the handle forward and backward and the screw is ratcheted into its place. When slide is moved to end towards the handle it works left-handed, either to push or ratchet the screw out. When screw to be removed is tight in wood, use ratchet movement first, and when loosened draw up handle and push down, thus withdrawing the screw. The ratchet movement can be used in any part of the length of tool for either right or left hand. When slide is placed in centre of slot the rod is held rigidly and tool can be used as an ordinary screw driver, and this at any point in length of rod. When extended, this gives a very long screw driver. This feature of using as a ratchet or as a rigid screw driver at any part of its length, is not found in any other tool of this kind.

The construction of ratchet and pawls permits of a very compact arrangement, making the tool convenient in size and of light weight, yet stronger in these vital points than any similar tool now made. Neither pawls nor ratchets can bend, break or get out of order. The friction in ratchet mechanism is so slight as to be hardly felt, the backward movement, like our "Yankee" ratchet driver, is as easy as in a good "stem-winder," and quite as noiseless.

The nuts working in spiral are of brass, and, with the spiral grooves in rod, are so

designed that the wear has been reduced to a minimum. A long-continued test in our factory shows that after driving fifty thousand screws with one tool there is no perceptible wear in the nuts.

The chuck for holding the bits is simple in construction, and positive in its hold on bits. When the sleeve of chuck is pulled down towards handle the bits can be put in, and when released it moves back to its place, holding bit fast. This sleeve is loose on chuck, so this end of tool can be readily held when in use, the chuck revolving inside of sleeve. Three bits are included with each tool. The extreme length of tool, with bit in chuck, is 13½ inches when closed, and 19¼ inches when extended. Packed one only in strong paper box.

This screw driver is manufactured by The North Bros. Manufacturing Co., Philadelphia.

A NEW INDUSTRY FOR MONTREAL.

The Syracuse Smelting Works of Syracuse, New York, manufacturers of high speed babbitt metal and best grades of other metals, have been doing business in Canada for the last four years, but their trade has increased to such an extent, together with the difficulties experienced in getting their goods through the Customs as well as the expense of duty, that they have recently decided to open works in the city of Montreal, and have located at No. 332 William street, corner of St. Thomas. From that point all Canadian orders can be filled, with even greater despatch and at considerably lower prices than heretofore.

At these works the company can manufacture almost everything in the line of babbitt metal, Columbian phosphor tin, plumbers' and tinnerns' solder, Columbian phosphor bronze ingots, yellow bronze ingots, etc., and to keep on hand a large stock of material such as pig tin, bar tin, pig lead, bar lead, refined zinc spelter, common zinc spelter, aluminum, nickel, ingot copper, scrap copper, scrap brass, as well as to purchase anything in the line of new and old metals.

PERSONAL MENTION.

Mr. W. H. Evans, of the Canada Paint Co., Toronto, spent several days at the headquarters of the company, Montreal, this week. Mr. Evans reports that the works of this company, giving employment to about 400 hands, are being pushed to their utmost capacity and the usual summer lull is not at all in evidence this year. Several large export orders for varnishes and japans have been received lately by the Canada Paint Co.

THE CANADA PAINT COMPANY LIMITED FIRST HANDS FOR

STRUCTURAL PAINTS,
TRIPLE STRENGTH COLORS,
YELLOW OCHRE,
OXIDE,
STAINS,
VARNISHES,
PURE PREPARED PAINTS,
DOMESTIC COLORS,
GRAINING COLORS,
LIQUID PAINTS,
DRYERS,
PURE WHITE LEAD,
SUPERFINE COACH COLORS,
ROOFING PAINT,
BURNT UMBER,
RAW UMBER,
LIQUID COACH COLORS,
TUBE COLORS,
TURPENTINE,
LINSEED OIL,
LAMP BLACK,
ULTRAMARINE BLUE,
PARIS GREEN,
PUTTY,
PUMICE STONE,
RED LEAD,
BICYCLE ENAMEL,
BOAT VARNISH,
BORAX,
BRONZE,
GOLDEN OCHRE,
CHROME YELLOW,
BURNT SIENNA,
RAW SIENNA,
SHELLAC,
FILLERS,
DIAMOND GRAPHITE,
TELEPHONE POLE PAINT,
WINDOW BLIND GREEN,
COACH VARNISH,
HOUSE VARNISH,
STOVE PIPE VARNISH,
GOLD SIZE JAPAN,
SHINGLE STAINS,
TOP DRESSING,
GOLD LEAF,
VERMILION,
WHITING,
SMALTS,
ZINC,
GLUE.

THE CANADA PAINT COMPANY LIMITED

ON TO QUEBEC!!

TO THE

National Plumbers' and Steamfitters' Convention

TO BE HELD FROM

June 29th to
July 1st
inclusive



"HARDWARE AND METAL" will publish a Special Edition giving a complete report of the proceedings at the convention, and also special articles on plumbing and steamfitting will be contributed for this Special Number, which will appear in the issue of July 9th in the shape of a

SPECIAL PLUMBING and STEAMFITTING EDITION.

Every plumber and steamfitter in Canada will receive a copy of this edition, making this number an invaluable medium in which to place special advertising relating to the plumbing and steamfitting trades.

NOTE.—All advertisers have the privilege of enlarging their space in this Special Edition.

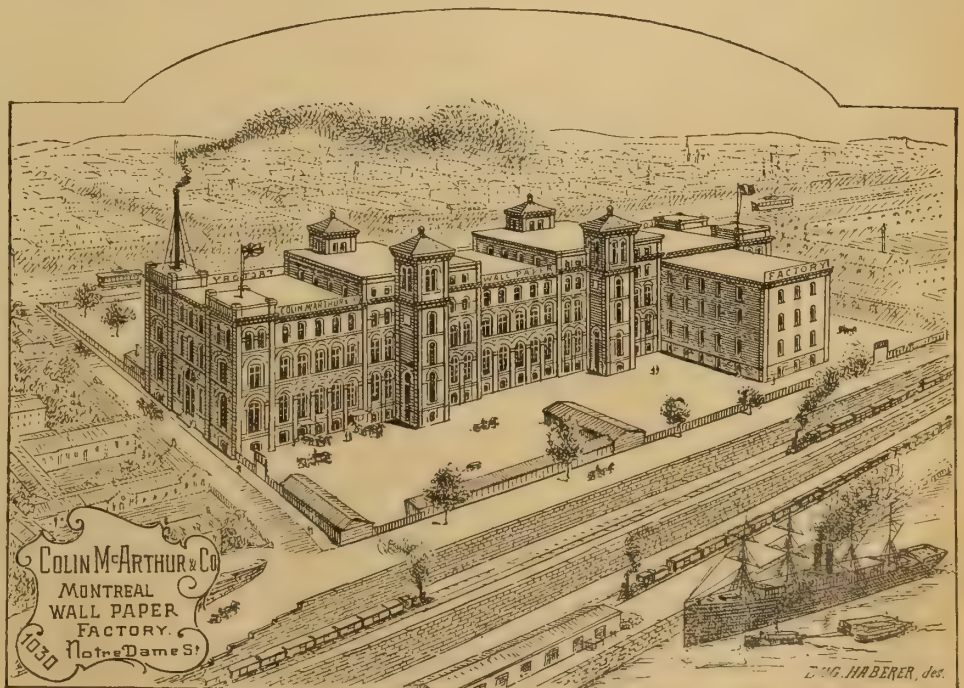
All copy must be sent in
before July 5th. _____

The MacLean Pub. Co.
Limited

Colin McArthur & Co.

MONTREAL

Our Representatives are now on the road with the finest line of Samples ever produced. Wait and see them before placing your orders. Our line comprises from the cheapest Brown Blanks to the finest Embossed Gilt, also Ingrains with Ceilings and Borders to match.



BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

BRADLEY & Co., dealers in tinware, etc., St. Thomas, Ont., have made an assignment.

Louis Blank, bicycle dealer, Victoria, has satisfied a chattel mortgage of \$587.

Napoleon Touchette, general merchant, St. Dominique, Que., has assigned.

Chas. Rousseau, general merchant, Cedar Hill, Que., is offering to compromise.

C. A. Charlebois, contractor, Montreal, has filed contestation of demand of assignment.

John N. Campbell, dealer in tinware, etc., Chatham, Ont., has assigned to Michael Houston.

PARTNERSHIPS FORMED AND DISSOLVED.

Walker & Templeton, hardware dealers, Winnipeg have dissolved, W. A. Templeton continuing.

Johnston & Fair, hardware dealers, Millbrook, Ont., have dissolved, H. W. Johnston continuing.

Frenette & Cie., safe manufacturers, Montreal, have dissolved.

SALES MADE AND PENDING.

The stock of J. M. A. Blanchette, general merchant, St. Louis, Que., has been sold.

The assets of the Non-Magnetic Asbestos Co., Pointe au Chene, Que., have been sold.

W. B. Hambly, general merchant, Rockford, Ont., is advertising his business for sale.

The business of D. McKinney, foundryman, Tottenham, Ont., is advertised for sale.

The stock of A. L. Dombrowski, hardware dealer, etc., Quebec, has been sold at 54c. on the dollar.

The stock of Henley Freres, general merchants, Ste. Anne des Monts, Que., has been sold at 58 1/4 c. on the dollar.

CHANGES.

Mrs. M. J. Dunn, general merchant, Harcourt, N.B., has gone out of business.

Davidson & Co., hardware dealers, Goderich, Ont., have sold out to D. Rougevie.

James Heron & Co. have commenced business as stove dealers in East Toronto.

Nazaire Commire has registered as proprietor of the firm of Commire, Fils & Co., founders, Maisonneuve, Que.

James Conn, hardware and lumber dealer, Indian Head, N.W.T., is reported to have sold out his hardware business to — Walker.

FIRES.

J. W. Jack, stove dealer, Truro, N.S., has been partially burned out.

Henry Gagnon, general merchant, Edmunston, N.B., has been burned out; insured for \$700.

The stock of Crowell Bros., hardware

dealers, Halifax, has been damaged by fire and water; insured.

DEATHS.

G. J. Marston, hardware dealer, Hull, Que., is dead.

S. Sweet, general merchant, Isaac's Harbor, N.S., is dead.

Ulric Duval, general merchant, St. Nicholas, Que., is dead.

TRADE CHAT.

Tench & McElroy have commenced the manufacture of implements at Schomberg, Ont.

More steel is used in the manufacture of pens than in all the sword and gun factories in the world.

The Ontario Rolling Mills Co., of Hamilton, resumed operations on Tuesday, with a large staff on hand.

A. L. Ashdown's hardware store at Portage la Prairie, Man., was damaged by fire last week to the extent of \$3,000.

G. W. Green's pump factory at Peterboro', Ont., recently destroyed by fire, has been rebuilt, and work has been resumed.

The pattern room at The Buck Stove Works, Brantford, was burned out on Thursday last. The loss was about \$600.

W. B. Howden, Watford, has built an addition to his large store, and has added a tinware manufacturing department. This improvement will make Mr. Howden's one of the largest and best assorted general merchandise stocks in Lambton county.

The Truro, N.S., Foundry and Machine Company have the contract for converting an old Intercolonial railway engine, No. 26, into a stationary engine for use in the mills of Logan, Cummings & Co., at Sheet Harbor, N.S. No. 26 is one of the oldest engines on the Intercolonial.

ROOFING AND DECORATING METAL

One of the features of the close of the nineteenth century is the development of the use of sheet iron in architecture. There seems to be no end to the use to which this material can be put, for, besides being used in roofs, ceilings and walls, it is already manufactured into awnings, window caps, sills and cornices, skylights, conductor heads, and almost every kind of ornamentation, which, in years gone by, were done in wood or plaster.

The hardware dealer, builder or contractor, who desires to be up-to-date, should get a copy of the catalogue recently issued by the Metallic Roofing Co., of Canada, Limited, Toronto. This catalogue might well be considered an authority on modern architecture, as it is comprehensive in its scope, yet minute in its description and illustration. Send for one,

PRICES OF COMMODITIES.

MR. A. SAUERBECK furnishes the following index numbers of the prices of 45 commodities, the average of the 11 years, 1867-77, being 100:

	Average.		Average
1878-87	79	December, 1893	67.0
1888-97	67	July, 1896	50.2
1889	72	December, 1896	62.0
1893	68	September, 1897	67.4
1894	63	December, 1897	62.4
1895	62	January, 1898	62.8
1896	61	February, 1898	63.4
1897	62	March, 1898	63.0
—	—	April, 1898	65.5
		May, 1898	66.4

The index number is the highest since the end of 1893, and the advance during last month is mainly due to wheat, oats and Manila hemp. The price of English wheat in 1894 was much affected by the damp condition of the crop. Prices are now declining, and December futures are as low as 32 to 33s. for American. Manila hemp rose from £19 in March to £26 in April, and £37 1/2 in May. Maize lost again the advance of the previous month. For most of the other articles there was not much change. Animal food products were a little lower, sugar somewhat higher. Iron and cotton remained unchanged; tin, tallow and petroleum advanced, and wool and copper declined to some extent. Taking articles of food and materials separately, the index numbers compare thus:

	July. 1896.	Sept. 1897.	Dec. 1897.	April. 1898.	May. 1898.
Food	60.0	67.5	66.5	70.7	71.5
Materials	58.6	60.4	59.4	61.7	62.7

Articles of food are now 2 points higher and materials 2 1/2 points lower than at the end of 1893. As compared with the lowest period in 1896 there is a rise of 19 per cent. for the former and 7 per cent. for the latter. The prices and index numbers of silver were as follows (60.84d. per oz. being the parity of 1 gold to 15 1/2 silver—100):

	Average.
End August, 1897, 23 3/8d	39.7
End December, 1897, 26 5/8d	43.8
End January, 1898, 26 3/16d	43.0
End February, 1898, 25 3/8d	42.1
End March, 1898, 25 11/16d	42.2
End April, 1898, 26 5/16d	43.2
End May, 1898, 26 7/16d	44.2

VENTILATING FAN WHEEL.

The Massachusetts Fan Co., ventilating engineers and contractors, Boston, have issued a new catalogue B, which they offer to send to any reader of **HARDWARE AND METAL** dropping them a post card. They make the Davidson ventilating fan wheel, for ventilating mills, school houses, public buildings, and general ventilation, as well as for drying, removing dust and steam from factories and mills. The catalogue gives illustrations of the various varieties of the Davidson fan, and the best methods of attachment to various kinds of motors. It also gives an interesting table, showing the number of cubic feet, per hour, of air required for public buildings and rooms, for various purposes.

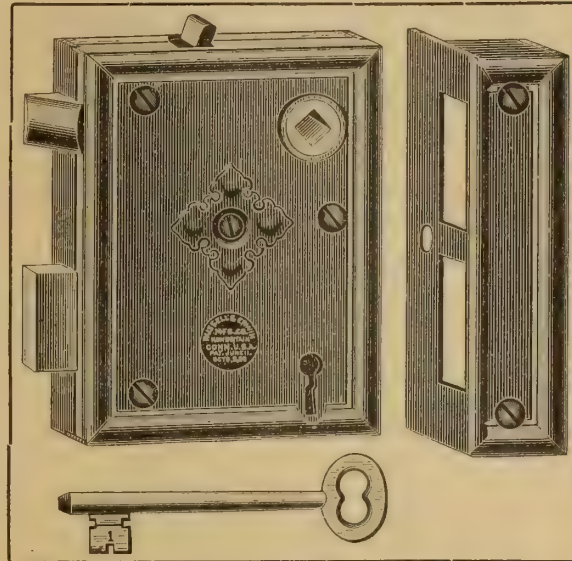
RUSSELL & ERWIN MANUFACTURING COMPANY

Manufacturers
of . . .

HARDWARE

Wrought Steel Door
Locks

Wrought Steel
Mortise
Locks,
Excelling in
Lightness and
Strength
and
Novelty of
Finish.



Rock Steel Rim Lock, Nos. 3800 to 3806.

Wrought Steel Door
Locks

Wrought Steel
Rim Locks,
Excelling in
Lightness and
Strength
and
Novelty of
Finish.

RUSSELL & ERWIN MANUFACTURING COMPANY, New Britain, Conn. New York Philadelphia
Chicago Baltimore London

Henderson & Potts

Nova Scotia Paint and Varnish Works.

. . . Manufacturers of

Lead, Zinc and Colored Paints,
Varnishes, Japan Coach Colors,
Ready Mixed House and Floor
Paints, Wood Stains, Japanese
Enamels, Bicycle Enamels,
Marbleine Wall Tints, Putty, etc.

SOLE AGENTS FOR THE DOMINION FOR

BRANDRAM'S CELEBRATED WHITE LEAD
HALIFAX and 747 Craig Street, MONTREAL.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, June 30, 1898.

HARDWARE.

GENERAL hardware has been very quiet this week, as is usual at this period of the year. The only change of importance has been in tacks, which is referred to elsewhere. Cordage continues the firmness noted last week, and, though no quotable change is to note, an advance is expected. Wire nails are still unsettled as to value, but a good trade is doing. Cut nails, screws, bolts, horseshoes, and horse nails are inactive. Other lines remain as last noted.

BARB WIRE—Remains quiet and a few orders are passing at \$2 f.o.b. Montreal.

PLAIN WIRE—There is only a small quantity moving. Discounts are 40 per cent. on oiled and annealed, and 35 per cent. on galvanized.

WIRE NAILS—These continue fairly active, but, though the basis is quoted at \$1.80, it would be shaded in case of a large order.

CUT NAILS—Business in these is of a quiet, steady character, prices ruling at \$1.85 f.o.b. Montreal, Toronto, Hamilton and London, with the usual allowances.

HORSE NAILS—Rule quiet, with discounts 50 per cent.

HORSESHOES—Business is less active than it was. We quote as follows: Iron shoes, light and medium pattern, \$3.25; snow shoes, \$3.50; steel shoes, Nos. 0, 1 and 2, \$5; Nos. 3, 4 and 5, \$4.25; assorted, 0 to 5, \$4.75; new light pattern, all sizes, 1 to 5, \$3.50; toe-weight steel shoes, all forward, \$5.50.

SCREWS—Demand fair. Discounts are as follows: Flat head bright, 87½ and 10; round head do., 80 and 10; flat head, brass, 82½ and 10; round head brass, 75 and 10. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75 and 10.

BOLTS—Discounts are as follows: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65

and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS—Discounts are: Iron rivets, black and tinned, all sizes, 65 per cent. Copper rivets, 50, and washers, 50 to 50 and 10 per cent.

BRASS AND COPPER WIRE—Trade light, and the base price unchanged at 20c.

CLOTHES WRINGERS—In fair enquiry at \$29.

HINGES—Staple sorts are moving well at \$3.50 for 6 to 12 and \$2.50 for 14 inch.

GREEN WIRE CLOTH—Is going out well.

SPADES AND SHOVELS—There is less enquiry for these. Discounts are unchanged at 40 and 10 per cent.

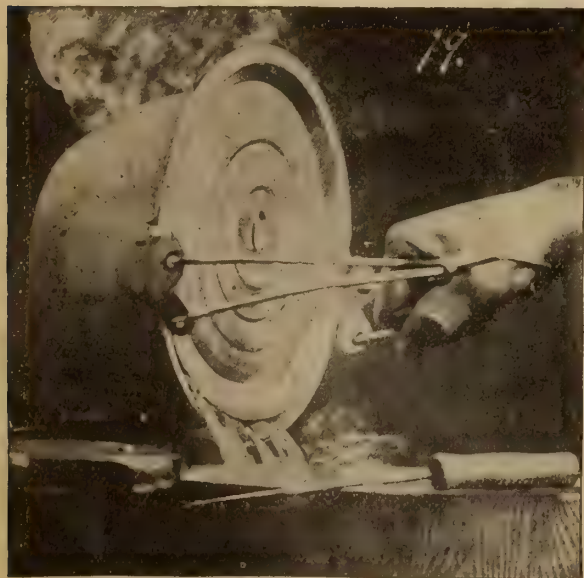
TOOLS—Harvest tools of all sorts continue well enquired for.

BUILDING PAPER—Moving slowly and prices steady.

CUTLERY—Quiet and unchanged.

CORDAGE—Very firmly held. We quote as follows: Sisal, 7-16 and up, 12c.; ¾, 12½c.; 5-16 and ¼, 13c., and 3-16, 13½c.; manilla, 7-16, 13¼c.;

Enamelled Preserving Kettles



When ordering be sure and state
"McClary's Enamelled Ware."

Queen of Kitchen

Patented in Canada, U.S., England,
France and Germany.

Made only in "Imperial" ware.
Sizes Nos. 24 to 32 inclusive.

Their Advantages

The steam cannot scald the hand while pouring.
They carry level by either bail and cannot tip.
The cover retains small articles while draining.
They are safe for children to use, and equally safe for adults.
They cost only a trifle more than ordinary kettles and can be sold for 25c. extra.

Made in ordinary "FAMOUS" and "IMPERIAL" ware.

Sizes Nos. 18 to 40 inclusive.

Every piece guaranteed perfect and thoroughly coated.



The ingredients used in their manufacture are the best obtainable, and are perfectly free from all poisonous materials.

Being perfectly coated they cannot spoil the fruit.

Order early and save yourself disappointment later on.
If you want your goods quick, order from McClary's.

THE MCCLARY MFG. CO.

LONDON, TORONTO, MONTREAL,
WINNIPEG, VANCOUVER.



APOLLO BEST BLOOM
GALVANIZED IRON

is true to gauge.

No order to roll it thin is accepted; and never has been.

Apollo Iron and Steel Company,
Pittsburgh, Pa.

Drain Pipes and Connections
Sewer Bottoms (Inverts)
Farm Tiles
Oakum and Gasket
Portland Cements
Contractors' Supplies.

F. HYDE & CO.

31 Wellington street, MONTREAL

Abbott & Co.

FACTORIES

...MONTREAL

CUT NAILS

Clinch and Pressed Nails,
Horse Shoes (Steel and
Iron), Railway and Pressed
Spikes, Mine and Wharf
Spikes, Drift Bolts, Wash-
ers (Steel and Iron).

Canada Iron Furnace Co., Ltd.
Manufacturers of

CHARCOAL PIG IRON
MONTREAL.

BRAND "C.I.F." THREE RIVERS
PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

GEO. E. DRUMMOND,
Managing Director and Treasurer

$\frac{3}{8}$, $1\frac{1}{2}$ c.; 5-16 and $\frac{1}{4}$, $1\frac{1}{2}$ c., and 3-16,
 $1\frac{3}{4}$ c.

CEMENT—In good demand and firm.
We quote: English, \$2.25 to \$2.35;
German, \$2.30 to \$2.45; Belgian, \$1.80
to \$2, and Canadian, \$1.60 to \$1.80, as
to brand, ex wharf.

FIREBRICKS—In fair request at \$16 to
\$21 per 1,000, as to brand.

METALS.

Metals are without change, but the tone
is firm, and, with the continuation of
the present demand, higher prices are
looked for. Several car lots of Hamilton
and Scotch pig iron have been put through,
and more are under negotiation. Bar iron
has been moved to a fair extent and values
have a firm tendency. The same remarks
apply to hoops and bands. Sheet iron and
sheet steel are quiet. Lead pipe, as the re-
sult of the stiffness in pig lead, is held very
firm. Galvanized iron is quite active, and
the same can be said of Canada plate and
coke and charcoal tin plate.

PIG IRON—We quote: No. 1 Ham-
ilton, \$15 to \$16; No. 2, \$14.50 to \$15;
Ferrona, \$15; Siemens \$15, and Sum-
merlee and equal brands, \$17, ex wharf,
and \$18 to \$18.50 ex yard.

BAR IRON—Steady at \$1.40.

BAND IRON—The same, at \$1.75.

HOOP IRON—Light demand, at \$2.

SHEET IRON—We quote as follows:
\$2.15 on 10 to 16 gauge; \$2 on 18 to 20
gauge; \$2.10 on 22 to 24 gauge; \$2.
20 on 26 gauge, and \$2.25 on 28 gauge.

SHEET STEEL—12 gauge, \$2.15 per
100 lb.; 16 gauge, \$2.30; 18 to 20,
\$2.20 to \$2.30; 22 to 24, \$2.20 to \$2.30;
26, \$2.25 to \$2.35; 28, \$2.35 to \$2.45;
"Dead Flat," 14 to 16 gauge, \$3.25
per 100 lb.; 18 to 20, \$3; 22, \$3.10; 24,
\$3.50; 26, \$3.75.

LEAD PIPE—Composition waste $7\frac{1}{2}$ c.,
and lead pipe 7 c., discounts 25 per cent.

GALVANIZED IRON—Active. We quote:
"Queen's Head," \$4.15 to \$4.25;
"Comet," \$3.75.

TINNED IRON—Steady.

PIG LEAD—Very firmly held at \$3.80.

INGOT TIN—Firm, $16\frac{1}{2}$ c.

INGOT COPPER—13 to $13\frac{1}{2}$ c.

SHEET COPPER— $16\frac{1}{2}$ c. for 14-oz., and
 $15\frac{1}{2}$ c. for 16-oz.

CANADA PLATES—Quite firmly held, and
we quote: 52's, \$2.20 to \$2.25; 60's, \$2.30,
and 75's \$2.40 to \$2.45. Full polished, \$3.

TIN PLATE—We quote as follows: Coke,
I.C., \$2.90 to \$3.25; charcoal, I.C., All-
away or Comet brands, \$3.50; do, I.X.,
\$4.10 to \$4.25; Lincoln, \$3.75; P. D.
Crown, I.C., \$3.95; do, I.X., \$4.95; Brad-
ley's, \$5.75.

TERNE PLATE—Steady at \$6 to \$6.25.

COIL CHAIN—We quote: $\frac{1}{4}$ -inch, \$5;

Established 1866.

A. C. Leslie & Co.

Iron, Steel, Metals,
Tinplates, Wire,
Railway Supplies, etc.

Board of Trade Building, **MONTREAL**

We are headquarters for everything we handle, and
claim all our brands to be **FIRST CHOICE**.
Inquiries solicited from wholesale buyers.

Sanderson's Tool Steel in stock.

Poultry Netting
— and —
Wire Fencing

all widths, weights and meshes in stock.
Selling agents for McMullen's celebrated
goods.

The B. Greening Wire Co., Limited
HAMILTON AND MONTREAL

THE LEADER BARREL CHURN has more
improvements than any other Churn on the market. Gives
users better satisfaction. Requires less effort to operate
and is more active than ordinary churns. Has patent gas
vent, malleable handle and special locking attachment.



Ask your dealers for
"THE LEADER"
Sold everywhere

THE DOWSWELL MANUFACTURING CO., Limited
HAMILTON ONT.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And **SIEMENS MARTIN**

Open Hearth Steel

5-16, \$3.50 ; $\frac{3}{8}$, \$3.25 ; 7-16, \$3.15 ; $\frac{1}{2}$ -inch, \$3, and $\frac{5}{8}$ up, \$2.85.

SHEET ZINC—Quiet, at $5\frac{1}{2}$ c.

SOLDER—Steady, at 11 to $11\frac{1}{2}$ c.

SPELTER—Unchanged. Vieille Montague \$5.25, and American, \$5.

ANTIMONY—Casks, $9\frac{1}{2}$ c.

IRON PIPE—Firmer. We quote: Black pipe, $\frac{1}{4}$ -inch and $\frac{3}{8}$ -inch, \$1.95 ; $\frac{1}{2}$ -inch, \$2.20 ; $\frac{3}{4}$ -inch, \$2.65 ; 1-inch, \$3.65 ; $1\frac{1}{4}$ -inch, \$4.75 ; $1\frac{1}{2}$ -inch, \$6.25, and 2-inch, \$8.25. Galvanized, $\frac{1}{2}$ -inch, \$3.85 ; $\frac{3}{4}$ -inch, \$4.70 ; 1-inch, \$6.50 ; $1\frac{1}{4}$ -inch, \$9 ; $1\frac{1}{2}$ -inch, \$11.50, and 2-inch, \$16.

SANITARY WARE—Without new feature.

GLASS.

Cables on this material continue very firm, makers asking the advance mentioned last week, and have secured it for some large quantities for fall importation. This is bound to affect spot prices sooner or later. In the meantime we quote: First break, \$1.40; second, ditto, \$1.50 per 50 feet, and third break, \$3.10 per 100 feet.

PAINTS AND OILS.

The good demand from carriage builders, implement makers and other manufacturers keeps up the steadiness of work in our paint and varnish factories. There is no change in quotations to report for the week; the absence of any excess supplies keeps prices steady. Notwithstanding the rather unfavorable weather, the painting trade is busily employed, and contributes to the general paint demand. Turpentine is arriving freely at the southern outports, and the price may slacken a little within the next few days. The feature in linseed oil is the scarcity of domestic oil, but full supplies of English are reported afloat.

WHITE LEAD—Best brands, Government standard, \$5.62 $\frac{1}{2}$; No. 1, \$5.25 ; No. 2, \$4.87 $\frac{1}{2}$; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, $4\frac{1}{2}$ c.; kegs, $4\frac{3}{4}$ c.; No. 1, casks, $4\frac{1}{4}$ c.; kegs, $4\frac{1}{2}$ c.

WHITE ZINC PAINT—Pure, $6\frac{1}{2}$ c.; No. 1, $5\frac{3}{4}$ c.; No. 2, 5c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 49c.; boiled, 52c., five-barrel lots one cent less net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to five barrels, 45c. the same terms as linseed oil.

PARIS GREEN—Pure, in barrels, $16\frac{1}{4}$ c.; 250-lb. kegs, $16\frac{1}{2}$ c.; 50 to 100-lb. drums, 17c.; 1-lb. packets, 18c.; 1-lb. tins, $18\frac{1}{2}$ c.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 10 to $10\frac{1}{2}$ c.

SEAL OIL— $37\frac{1}{2}$ c.

COD OIL—Supplies light, and prices firm at 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, $4\frac{1}{2}$ to $5\frac{1}{2}$ c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

Fairly active, while prices rule steady. We quote: No. 1, 11c.; No. 2, 10c., and No. 3, 9c.

PETROLEUM.

Without new feature. We quote: Canadian Crown Acme, 14c.; refined, 12c. in car lots, and 13c. in smaller quantities; American prime white, $14\frac{1}{2}$ c. in small lots; water white, 15c.; Pratt's astral oil, 17c.

ONTARIO MARKETS.

TORONTO, June 30, 1898.

HARDWARE.

THE most striking feature in the wholesale hardware trade this week is the reduction in the price of tacks. Trade generally is much about the same as it was a week ago, being fairly good. The demand for fence wire keeps firm. The volume of business is being maintained in wire nails, but in cut nails a falling off is reported. There is not as much doing in churns as there was a week ago. A few orders are still being received for green wire cloth and poultry netting. Spades and shovels are scarcely as much wanted as they were, and difficulty is still being experienced in filling orders for some descriptions of harvest tools.

BARB WIRE.—While the demand has fallen off materially, a few small orders are being occasionally received. An order for shipment from Cleveland is occasionally received. We quote: \$1.80 f.o.b. Cleveland, and \$2 from stock, Toronto. Terms, 30 days or 2 per cent. 10 days.

ORDINARY FENCE WIRE, ETC.—While the demand is not as active as it was, there is still a fair movement in oiled and annealed. Discounts are: Annealed, oiled and annealed, 35 per cent.; galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 65 per cent.

WIRE NAILS—A fairly good trade can still be reported. We quote \$1.85 per keg, Toronto.

CUT NAILS—The demand for cut nails is scarcely as good as it was a week ago. We quote: Base price, \$1.85, Toronto, Montreal, London and Hamilton. Freights equalized from these points.

HORSE NAILS—While trade is not heavy, quite a number are going out. Discount, 50 per cent.

HORSESHOES—Trade is slow. We quote as follows: Montreal, \$3.25; Toronto,

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

We are the Oldest and Largest Manufacturers of

SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The...

John Morrow Machine Screw Co.
Ingersoll - Ontario.

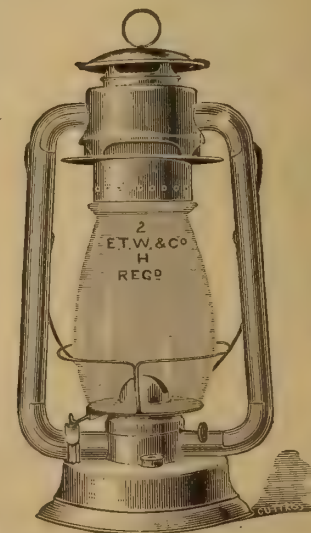
"THE DAISY"



Barrel Churn
with Roller Bearing Stand is the favorite, and takes the lead everywhere. More sold than all other kinds. Improved vent supplied when required. The old style clumsy stand is not to be compared with our neat, strong, common sense, Roller Bearing Stand. Buy The Daisy, or you will miss it.

THE WORTMAN & WARD MFG. CO., LIMITED.
Headquarters, London, Ont. Eastern Branch, 60 McGill St., Montreal, Que.

E. T. WRIGHT & CO.



Manufacturers of...

Tubular and Cold Blast
Lanterns

Bird Cages,
Mouse Traps
Flour Sifters

Stamped
Re-tinned
and Japanned

...TINWARE

HAMILTON - CANADA.

and Hamilton, \$3.35; London and Guelph, \$3.40.

SCREWS—A good steady trade is reported. Discounts are as follows: Flat head bright, 87½ and 10; round head bright, 80 and 10; flat head brass, 82½ and 10; and round head brass, 75 and 10 per cent. Machine screws, iron and brass, flat head, 87½ and 10 per cent.

BOLTS—Business continues satisfactory. Discounts are: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¼c.; hexagon, 5¼c.

RIVETS AND BURRS—Trade is keeping up nicely. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 50 per cent.; bifurcated, with box, \$1.25.

ROPE—There is not much doing. We quote: Sisal, 7-16 in. and larger 11⅞c.; ¾ in., 12⅜c.; ¼ and 5-16 in., 12⅞c.; Manilla, 7-16 in. and larger, 13⅞c.; ¾ in., 13⅞c.; ¼ and 5-16 in., 14⅞c.; deep sealine, 13½c. for water laid, and 14¼c. for machine-made; hemp, 7 to 9c.; lath yarn, 10¼c.

CHURNS—Trade has fallen off, quantities moving not being nearly as large as they were. We quote discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Quiet. We quote as follows: "New Leader" and "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50.

BELTING—Quiet. We quote leather belting as follows: Agricultural, 65 and 5 per cent.; Standard, 50 per cent.; extra, 45 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

HINGES—Jobbers are experiencing some difficulty in supplying the demand for barn door hinges. We quote: 6 to 12 inch, inclusive, at \$3.15 per 100 lb., and 14-inch and upwards at \$2.35; light T and strap, 70 and 10 per cent.; screen door hinges, \$9.50 per gross pair.

GREEN WIRE CLOTH—Orders are still coming in for sorting up lots. We quote: \$1.20 per 100 square feet. Terms, 4 months or 3 per cent. 30 days.

The Economy, Durability and Fine Appearance

Of Our

SHEET STEEL PRESSED BRICK



Make it a popular substitute for real brick, from which it can hardly be distinguished.

It makes a handsome, dry, warm, and fireproof exterior that is very easily and quickly applied.

Send for our new catalogue and read full details about it and our other up-to-date building materials—they're just what your customers need.

Metallic Roofing Co., Limited

1179 King St. West, Toronto.

POULTRY NETTING—Trade is naturally not large at this time of the year, but fair sorting up orders are still being received.

SPADES AND SHOVELS—While the demand is fair, it is not as brisk as it was. Discount, 40 and 10 to 45 and 2½ per cent.

HARVEST TOOLS—Jobbers are finding it difficult to supply the demand, particularly for snaths, hoes and hay forks.

GARDEN HOSE—Business is moderate. We quote: "Lion" and "Western," 70 to 70 and 5 per cent.; "Competition," 75 to 77½ per cent.

BUILDING PAPER—Quiet. We quote as follows: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred.

WARE—The volume of business is light compared with what it was a short time ago.

CEMENT—The output of the Canadian Portland Cement Works has been so large this year that there has been poor demand for the imported article. To meet the competition of the Canadian there has been a lot of inferior or "natural" Portland cement imported from Belgium. This, however, has not got much of a hold on trade, as, in cases where a test has been

made, it has been rejected. Much of it is in barrels, 25 lb. lighter than the standard for Portland cement. Prices throughout are unchanged. We quote in barrel lots: Canadian Portland, \$2.70 to \$2.90; English do., \$2.85 to \$3; Belgian do., \$2.75; Canadian hydraulic cements, \$1.10 to \$1.25; calcined plaster, \$1.90 to \$2.

METALS.

Trade, generally speaking, is not as brisk as it was.

PIG IRON—Quiet. We quote as follows: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$11.80 per ton; No. 2 ditto, \$11.55; No. 1 Northern American soft, \$11.80; No. 2 ditto, \$11.55. Hamilton iron, No. 1, in 100-ton lots, is quoted at \$14, on track Toronto.

BAR IRON—Quiet. We quote base price \$1.45 to \$1.55 from stock, and \$1.35 to \$1.45 from factory.

HOOP AND BAND IRON—Some good orders have been received this week, and, in general, trade is fairly satisfactory. We quote: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—Trade is about the same as it was a week ago. We quote: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20,

\$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Business moderate. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—An improvement in the demand is to be noted. We quote as follows: Queen's Head (case lots), 16 gauge, 3 $\frac{3}{4}$ c.; 18 to 24, \$3.87 $\frac{1}{2}$ c.; 26, 4 $\frac{1}{8}$ c.; W. G. 28 gauge, \$4.37 $\frac{1}{2}$ c.; Gordon Crown (case lots), 28 gauge, 4 $\frac{1}{4}$ c.; 26 gauge, 4c.; 22 to 24 gauge, 3 $\frac{3}{4}$ c. per lb. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. Small lots in all the above are $\frac{1}{4}$ c. per lb. higher than figures named.

PIG LEAD—Trade has been a little better during the past week, a few large sales having been reported. We quote 4 to 4 $\frac{1}{4}$ c. per lb.

INGOT COPPER—Trade is quiet, with quotations unchanged at 12 $\frac{1}{2}$ to 13c. per lb.

INGOT TIN—The demand is still only for small quantities. We quote 17 to 17 $\frac{1}{2}$ c. per lb.

SHEATHING COPPER, ETC.—Quiet. We quote: Sheathing copper, 15 $\frac{1}{2}$ to 16 $\frac{1}{2}$ c., according to weight and quantity; braziers', 15 $\frac{1}{2}$ to 17 $\frac{1}{2}$ c. per lb., according to gauge.

MILK CAN TRIMMINGS—Quiet. Discount, 25, 10 and 7 $\frac{1}{2}$ per cent.

IRON PIPE—A number of shipments have been made, and trade is fair. Galvanized pipe is moving more freely. We quote: Black pipe, per 100 feet, $\frac{1}{4}$ to $\frac{3}{8}$ inch, \$1.87 to \$2; $\frac{1}{2}$ inch, \$2.15 to \$2.20; $\frac{3}{4}$ inch, \$2.62 $\frac{1}{2}$; 1 inch, \$3.60; 1 $\frac{1}{4}$ inch, \$4.75; 1 $\frac{1}{2}$ inch, \$6.20; 2 inch, \$8.30. Galvanized, $\frac{1}{2}$ inch, \$3.50 to \$3.80; $\frac{3}{4}$ inch, \$4.20 to \$4.60; 1 inch, \$5.85 to \$6.20; 1 $\frac{1}{4}$ inch, \$8.05 to \$8.25; 1 $\frac{1}{2}$ inch, \$11 to \$11.25.

RANGE BOILERS—A moderate business is to be noted. We quote: Galvanized, 30 gals., \$5.25 to \$5.50; 35 gal., \$6.25 to \$6.50; 40 gal., \$7.25 to \$7.50; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES Quiet. We quote: Half-polished, 52-sheet boxes, \$2.35; ditto, 60-sheet boxes, \$2.40; dull, 75-sheet boxes, \$2.50; ditto, "Alaska," \$3.

TIN PLATES—While the orders are not large, they are quite numerous. We quote: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

TINNED IRON—Trade is steady. We quote as follows: 5 $\frac{1}{2}$ c. in case lots

for 22 to 24 gauge, and 2 $\frac{3}{4}$ c. in lesser quantities; cut to size, 24 gauge, case lots, 4 $\frac{3}{4}$ c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6 $\frac{1}{4}$ c. for small lots.

TERNE PLATES—A moderate trade is to be noted. We quote: I C, \$6 to \$6.75; I X, \$7.50.

COIL CHAIN—Quiet. We quote: $\frac{1}{4}$ in., \$4.65; 5-16 in., \$3.75; $\frac{3}{8}$ in., \$3.25; 7-16 in., \$3.15; $\frac{1}{2}$ in., \$3.10; $\frac{5}{8}$ in., \$2.80; $\frac{3}{4}$ in., \$2.75.

SHEET ZINC—Demand keeps fair. We quote cask lots at 5 $\frac{3}{4}$ c., and small quantities at 6c.

SOLDER—Trade is fair. We quote: Standard, 11 $\frac{1}{2}$ c. per lb. for quantities, and 12c. for small lots; strictly half and half, 12c. for quantities, and 12 $\frac{1}{2}$ c. for small lots.

ANTIMONY—Much as before. We quote: Cookson's, cask lots, 10 $\frac{1}{2}$ c.; smaller quantities, 11c.; other makes, 8 $\frac{1}{2}$ to 9c.

ZINC SPELTER—Trade continues fair, at 5c. for ton lots, and 5 $\frac{1}{4}$ c. for small quantities.

PAINTS AND OILS.

The passed week has been exceptionally good in all the departments, and particularly so in ready-mixed paints. The use of these convenient colors in a handy form is noticeable in the great improvement in the appearance of some of our towns and villages, and manufacturers and jobbers are being encouraged to pay every attention to their liquid paint branch. Red lead has been in demand for bridge and construction work, although the oxide of lead has met a formidable rival in "Diamond" graphite, which is mined in Canada, and is said to be growing in popularity as a coating for iron and steel. There has been a fair demand for dry colors, golden and yellow ochres being in favor for making the harmonious buffs, which are now so much in vogue for trimming lakeside cottages and houses of the colonial type of architecture. The call for coach colors is not as pronounced, but preparations are being made for a large output this fall, as the carriage builders have had a busy spring. Varnishes are firm in price and the makers report a heavy volume of business, with values looking upward. While lead is steady, the arrivals of dry lead from Glasgow and Newcastle have been exceedingly heavy during June, relieving the scarcity which existed in the early spring. The demand for linseed oil has been active, and prices are steady. Turpentine, on the contrary, is decidedly weak, a drop of 2c. going into effect on July 1st. The sale of Paris green has been excellent this week. We quote as follows:

WHITE LEAD—Ex Toronto, pure white

ONTARIO LEAD AND WIRE CO'Y, Limited

TORONTO.

Manufacturers of . . .

"Somerville's" Absolutely Pure
and Decorators' Extra

WHITE LEAD

also

"Ontario" Pure, Nos. 1, 2, 3 and 4.

Wire Nails . . .
Barb Wire and Staples
Ross Braid
Ribbon Fencing
Shot, Lead Pipe, and Traps

Importers and dealers in

PLUMBING AND STEAM FITTERS' SUPPLIES

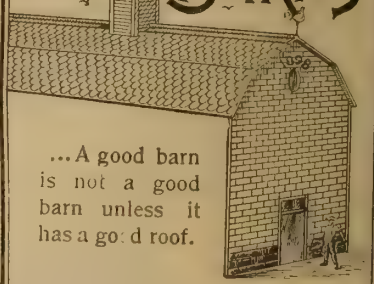
Factory—55, 57 and 59 Richmond St. East.

Office—54 and 56 Lombard Street.

Telephones—763 and 1092.

WRITE FOR OUR PRICES

ROOFS FOR THE BARN.



...A good barn is not a good barn unless it has a good roof.

We would therefore press on **you** the importance of enquiring into the durability of our Steel Shingles before deciding on the covering of your barn.

We guarantee all our steel products to be water, wind, and storm proof and to last a lifetime.

We will give you

the benefit of our 32 years' experience in roofing, our illustrated catalogues, and up-to-date information on these goods on receipt of a post card.

The Pedlar Metal Roofing Co.
OSHAWA, ONT.

lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 bs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

PARIS GREEN—Kegs, 16½c.; 50 and 100-lb. drums, 17c.; 1-lb. packages, 18c.; 1-lb. tins, 18½c.; cases, ½-lb. boxes, 19½c.

LIQUID PAINTS—Pure, \$1 per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 50c.; boiled, 1 to 4 barrels, 53c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 43c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

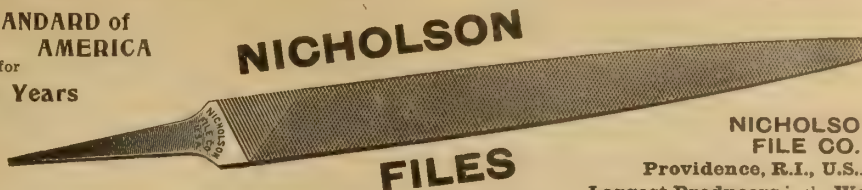
GLASS.

There has been a large volume of business done this week, stock orders coming in freely from various sections of the country. An advance of 10c. per half box in Europe keeps the market firm here, and prices will, in all probability, advance during July. We quote: First break in 50-foot boxes, \$1.45, and in 100-foot boxes, \$2.75; double diamond, under 25 united inches, \$4. Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL.

There is a large volume of business being done. Demand is good for all lines. We quote: Agricultural scrap, 45c. per cwt.; machinery cast, 52½c. per cwt.;

STANDARD of
AMERICA
for
30 Years



**NICHOLSON
FILE CO.**
Providence, R.I., U.S.A.
Largest Producers in the World

BRITISH PLATE GLASS COMPANY, Limited.

Established 1773.

Manufacturers of **POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS.** Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 Pitt Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glas," St. Helens. Telephone No. 68 St. Helens.

stove cast scrap, 30c.; No. 1 wrought scrap, 40 to 50c. per 100 lbs.; No. 2, including sheet iron and hoop iron, 10c.; new light scrap copper, 7¼c. per lb.; bottoms, 7½c.; heavy copper, 8 to 8½c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2c.; scrap rubber, 3½ to 3¾c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lbs.

HIDES, SKINS AND WOOL.

HIDES—The feeling is firm, with prices unchanged. We quote: No. 1, 9c.; No. 2, 8c.; No. 3, 7c.; cured, 9½ to 10c.

CALFSKINS—The demand is weak, as dealers consider prices too high. We quote: No. 1 veal, 8 lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Nominal. The season is over. Lambskins, however, are in fair demand at 35c., and shearlings, at 20c.

WOOL—The market is slow, country dealers and jobbers differing regarding values. Unwashed is quoted at 10 to 11c. and fleece at 16 to 16½c.

PETROLEUM.

There has been considerable improvement in the demand. Prices unaltered. We quote at Toronto, as follows: Canadian, 13½c.; Sarnia water white, 15c.; American water white, 17½c.; Pratt's astral, 16c., in bulk.

COAL.

Prices unchanged. Trade is quiet. We quote anthracite at Buffalo and bridges as follows: Egg, nut and stove, \$4.25; grate, \$4 per ton.

MARKET NOTES.

Tacks are 10 to 20 per cent. dearer.

Turpentine is 2c. per gallon cheaper.

Wheelmen use "Enameline" on their bicycle chains.

Stewart & Wood, paint and oil dealers, Toronto, intend closing their establishments at five o'clock during the months of July and August. They close their business at one o'clock on Saturdays all year round.

F. T. Hill & Co., general merchants, Markdale, Ont., have improved the appearance of their store by repainting it.

A "SCEPTICAL" DEALER.

A Scottish paper tells a story of an old Scottish woman who was "unco' drouthie," without the money to buy a "drappie." "Lassie," she said to her little granddaughter, "gang round to Donald McCallum and bring me a gill. Tell him I'll pay him i' the morning. Back came the child with a refusal. Donald declined to part with his whiskey without the cash. Eager and irritated, the old woman cast about for some means of "raising the wind," and her eye fell upon the family Bible. "Here, lassie," she said, "gie him this and tell him to keep it until I bring him the siller." Off went the little girl, but she soon returned still carrying the Bible. Donald was obdurate. "He says he maun hae the bawbees first, granny." In anger the disappointed grandmother threw up her hands and exclaimed: "Losh, did onybody ever hear the like o' that! The man will neither tak' my word nor the word o' God for a gill o' whusky!"—New Jersey Trade Review.

RUMORED OIL DEAL.

A press despatch from Petrolea, Ont., on Thursday, stated that the Standard Oil Co., which has been the prime mover in the establishment of the great oil works at Sarnia, Ont., had purchased the Imperial oil works and has leased all other refining plants in Canada for five years.

HARDWARE AND METAL called on the Queen City Oil Co., the Canadian agents of the Standard Oil Co., in regard to the matter.

Mr. Albert Rogers, treasurer of the company, in reply, said: "As far as we know the report is a mere newspaper rumor. We are not manufacturers of the Sarnia oil; we merely sell it. There may be some foundation to the report, but we know nothing whatsoever of the matter."

CHANGE IN A HARDWARE FIRM.

Mr. Edwin R. Rogers has purchased the retail hardware stock and business of W. J. McBride, Toronto Junction. Mr. Rogers has put in several thousand dollars worth of new stock and has improved the appearance of the store. HARDWARE AND METAL wishes Mr. Rogers success in his business.

POTENCY OF CONCENTRATION.

“SEE a great lawyer like Rufus Choate,” says Dr. Storrs, “in a case where his convictions are strong and his feelings are enlisted. He saw, long ago, as he glanced over the box, that five of those in it were sympathetic with him; as he went on, he became equally certain of seven; the number now has risen to ten; but two are still left whom he feels that he has not persuaded or mastered. Upon them he now concentrates his power, summing up the facts, setting forth anew and more forcibly the principles, urging upon them his view of the case with a more and more intense action of his mind upon theirs, until one only is left. Like the blow of a hammer, continually repeated until the iron bar crumbles beneath it, his whole force comes with ceaseless percussion on that one mind till it has yielded, and accepts the conviction on which the pleader’s purpose is fixed. Men say afterward, ‘He surpassed himself.’ It was only because the singleness of his aim gave unity, intensity and overpowering energy to the mind.”

“Daniel Webster,” said Sydney Smith, “struck me much like a steam-engine in trousers.”

As Adams suggests, Lord Brougham, like Canning, had too many talents; and, though as a lawyer, he gained the most splendid prize of his profession, the Lord Chancellorship of England, and merited the applause of scientific men for his investigations in science, yet his life, on the whole, was a failure. He was “everything by turns, and nothing long.” With all his magnificent abilities, he left no permanent mark on history or literature, and actually outlived his own fame.

Miss Martineau says: “Lord Brougham was at his chateau at Cannes when the daguerreotype process first came into vogue. An artist undertook to take a view of the chateau, with a group of guests on the balcony. He asked his lordship to keep perfectly still for five seconds, and he promised that he would not stir, but alas!—he moved. The consequence was, that where Lord Brougham should have been there was only a blur. So stands the view to this hour.

“There is something,” remarked Miss Martineau. “very typical in this. In the picture of our century, as taken from the life by history, this very man should have been the central figure. But, owing to his want of steadfastness, there will be forever a blur where Lord Brougham should have been. How many lives are blurs for want of concentration and steadfastness of purpose.”

“I resolved, when I began to read law,” said Edward Sugden, afterwards Lord St.

Leonard, “to make everything I acquired perfectly my own, and never go on to a second reading till I had entirely accomplished the first. Many of the competitors read as much in a day as I did in a week; but at the end of twelve months my knowledge was as fresh as on the day it was acquired, while theirs had glided away from their recollection.”—Pushing to the Front.

IN THE LONG RUN.

IT is to be presumed that when a man buys a store, stocks it and opens its doors for business that he has some intention of staying there for a while, says Trade Magazine. Nearly all merchants are in business to make a living and acquire a competency, and do not move of their own accord unless with a view of bettering their conditions. They are working not for to-day or to-morrow, but for the years to come. They can only afford to build solidly, therefore, if they would realize their ambition.

These are facts to be borne in mind these days, when there are so many who do not scruple to stoop to disreputable methods in business for the sake of temporary profit.

There are “schemes” and “plans” and “methods” without number, all of which are widely advertised as sure to increase business. It is safe to say that fully half of them are essentially dishonest, and even a large percentage beneath the dignity of an honorable man. It is just as true that 90 per cent. of them are ephemeral, resulting at the most in a little temporary business, which is followed by a most pronounced reaction.

How about the men who are everlastingly adopting these methods? Their stores are crowded for a while.

How long?

They make a great noise in the community and seem in a fair way to sweep everything before them.

How long?

They start in the race at a great speed and go rushing towards the goal in a way that promises sure success.

How long?

Just long enough for the people to tire of their sensationalism or discover their dishonesty. It sometimes takes a year or two, but usually they are off for pastures new in a much shorter time.

They may worry the legitimate merchant for a while, but he should never allow their apparent success to tempt him to adopt any of their methods.

The man who is in a community to stay must be straightforward, honest, natural.

It’s the “long run” that counts.

REPRESENTATIVE WANTED.

ATKINSON BROS., LIMITED, MANUFACTURERS Cutlery, Sterling Silver, and Silver Plated goods, are open to appoint an agent for the whole of Canada. Address, Milton Works, Sheffield, Eng’land. (27)

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.

Doyle’s Patent Fire-proof Paint

FIRE BRICK, FIRE CLAY

DIPLOMAS 1892, WHEREVER EXHIBITED.

Toronto Industrial; Western Fair, London, Ont.; Great Northern, Collingwood. . . . Diploma and Aluminum Medal and Life Membership to Inventor, by the Association of American Inventors, Philadelphia. . . . Diploma and Gold Medal, Paris (France) and Life Honorary Membership to Inventor, by the Academy of Inventors, Manufacturers and Exhibitors.

Ask your hardwareman for it, if not in stock.

For particulars address—

The R. J. Doyle Manufacturing Co.
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Lock Drawer 464, OWEN SOUND.

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Cable “LeVesconte” Toronto.

Portland Cements

Best German, English and Belgian Brands

**Calcined Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders’ and Contractors’ Supplies.**

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

“Painting with a Pump”

EXCLUSIVE AGENCY given to the right people in unoccupied territory.

AWARDED Three Medals at Toronto and London Exhibitions, Ten Diplomas, and the Government Spray Pump Contest, “within a year.”

You’re safe with a SPRAMOTOR.

It will Paint or Whitewash perfectly.

CERTIFICATE OF AWARD—

This is to certify that at the contest of Spraying Apparatus held at Grimby on April 2nd and 3rd, under the auspices of the Board of Control of the Fruit Experimental Stations of Ontario, in which there were eleven contestants, the Spramotor, made by the Spramotor Co., London, Ont., was awarded first place.

H. L. Hutt, M. Pettit,
Judges.

**Spramotor
CO.**

357 . . .
Richmond St.

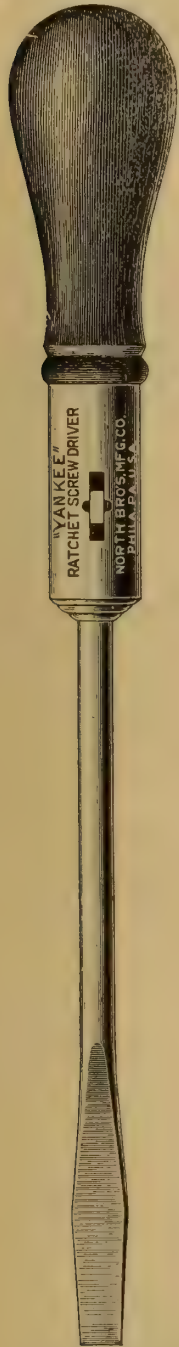
**London,
ONT.**

Send for Catalogue and Price List.



"YANKEE" RATCHET SCREW DRIVER.

ALL ratchet screw drivers heretofore made possess one very serious drawback in practical use—that the friction in ratchet mechanism is so great that unless a screw is first made tight in wood by



some other means the ratchet screw driver turns the screw out in its backward movement as fast as it is driven in by the forward movement of the driver. The screw is simply turned in and out, no progress made in getting it to its place. The blade of driver instead of remaining at rest during backward movement is carried back by the excessive friction of ratchet and pawls, and the screw with it, except the screw is first driven tight enough in wood to outbalance this friction. Most ratchet drivers are quite noisy in their operation, unhandy to change from right to left, made in a quite limited range of sizes and too high in price to make them popular.

The "Yankee" ratchet driver overcomes all these faults.

The friction in ratchet mechanism is so slight as to be hardly felt, the backward movement is as easy as in a good "stem-winder" and just as noiseless. When a screw is screwed in it stays where put, and is not screwed out when handle is turned back.

The construction of ratchet and pawls is such that neither can bend or break, wear or get out of

order, and permits a very compact arrangement, making the tool more convenient in size and shape, of less weight, and also the making of smaller sizes of tools than have heretofore been made.

The adjustment for right or left hand is exceedingly simple. For right hand or to ratchet a screw in, push the slide to end of slot towards bit; for left hand or to ratchet a screw out, push the slide towards handle of driver. If the slide is placed midway between ends of slot, the blade is held rigid-

ly and the driver can be used as an ordinary screw driver with fixed blade.

The materials and workmanship are of superior quality in every detail. The drivers are strong, durable, handsomely finished, and sold at interesting prices.

Made in the following sizes, packed one-half dozen in strong paper box: 2, 3, 4, 5, 6, 8, 10, 12 inches.

This screw driver is manufactured by The North Bros. Manufacturing Co., Philadelphia.

SYSTEMATICALLY ADVERTISING CANADA.

All this is no doubt quite true, and we ourselves are more than a little hopeful for the future of the eastern as well as the western parts of the Province in the production of minerals, but we suggest to the Department that not much that is really definite is known in the United Kingdom about the distribution and extent of the minerals of Eastern Ontario, and that it would make a good start in the way of attracting prospectors and capitalists if it would only go to the trouble of disseminating broadcast authentic information on the subject.

THE above is from The Bullionist, a reputable daily financial paper published in London, England. In a very good article on "Ontario as a Gold Producer," it points out that this country is unknown to English investors. This is, no doubt, quite true, and what little is known is not always of favorable nature, in view of our insolvency laws.

We have spent hundreds of thousands of dollars in endeavoring to interest Europeans in Canada, upon salaried officials who simply sit in their offices and answer questions, sometimes very indifferently. Other sums have been spent on lectures which are only heard by a few people who by chance may go to them.

When Canada will do business on business principles as in ordinary business men would do, we may expect the people at Home to know something of us.

If a merchant has goods to sell he lets the world know it; that is, he advertises it. To do an extensive business he must do extensive advertising. Houses doing a large business have a regular advertising department which prepares and places advertising, and is always on the lookout for ways of letting the public know the goods they have for sale.

The Dominion of Canada requires an advertising department which shall be in charge of a man who can make a success of it, a man who will see that every item relating to Canada that may interest the people at Home is placed before them through the leading newspapers of the United Kingdom. This need not cost much more than the salary of such a man. Newspapers are always ready to insert useful information properly prepared for them.

If you want the straightest and most durable **Rawhide Whips** in the market, order our

Napoleon and Monarch

WHIPS

Every Whip Guaranteed.

Patented and made only by . . .

HAMILTON WHIP CO.

119, 121, 123 Mary St., HAMILTON.

Cheap Whips of Every Style.

WESTERN Incorporated 1851.
ASSURANCE COMPANY

Fire and Marine

Capital, subscribed	\$2,000,000.00
Capital - - -	1,000,000.00
Assets, over - -	2,320,000.00
Annual Income -	2,300,000.00

Head Office: **TORONTO, ONT.**

Hon. Geo. A. Cox, President. J. J. Kenny, Vice-President
C. C. Foster, Secretary.

ISLAND CITY Paint and Varnish Works

. . . Manufacturers of . . .

**READY MIXED PAINTS and
FINE COACH VARNISHES.**

WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.
WORKS 274 St. Patrick St., MONTREAL.

Star Brand

COTTON CLOTHES LINES

All lengths, both in Twisted and Braided

3 and 4-PLY COTTON TWINE.

Lamp and Candle WICK.

Sold by all Wholesale Dealers.

MANITOBA MARKETS.

WINNIPEG, June 26, 1898.

NO CHANGE has occurred in prices during the week, and, in fact, for the past few days business has been quiet. The heavy rains, though good for growing crops and gladly welcomed by the farmers, are deterring building operations, both in city and country, to a considerable extent, and this, of course, reacts on the hardware trade. Business, though quiet, is steady, and prices are sustained. Rope has not advanced this week and it is just a question whether it will go higher.

The Hudson's Bay Company report a large increase in business in their hardware department, and are making extensive alterations in their premises to accommodate the increasing business.

An attempt is being made to bring wholesalers and retailers closer together in the hardware trade, and to this end several meetings have been held and resolutions passed. Just what effect this will have it is difficult to estimate at present.

The camping season is upon us, and many families are preparing to migrate to the Lake of the Woods, Lake Winnipeg, Shoal Lake and Lakes of Killarney. The last named closely resemble and are almost as beautiful as their world-famed namesakes.

The campers make considerable business in camp stoves, hammocks and the like.

Price list for the week is given below :

Barb wire, 100 lbs.	\$2 40
Plain twist wire and staples.	2 90
Oiled annealed wire.	2 80
" 16 and 20	2 90
" 10	3 00
" 8	3 15
" 6	3 30
" 4	3 65
Green wire cloth, per 100 feet	1 40
Poultry wire, per 100 feet	55
Wire nails, 30 to 60 dy, keg.	2 65
" 16 and 20	2 70
" 10	2 75
" 8	2 80
" 6	2 95
" 4	3 05
" 3	3 30
Cut nails, 50 and 60 dy.	2 35
" 20 to 40	2 40
" 10 to 16	2 45
" 8	2 50
" 6	2 55
" 4	2 80
" 3	3 05
" 3 fine	3 35
Horse nails, 45 per cent. discount.	
Horse shoes, iron, light, medium and heavy, keg.	4 00
Snow shoes.	4 25
Steel, light.	4 25
" extra light.	5 75
Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	
Tool steel, Black Diamond, 100 lbs.	8 00
Jessop	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge.	3 75
28 gauge.	4 00
Galvanized American, 16 to 24 gauge.	4 00
26 gauge.	4 25
28 gauge.	4 50
Genuine Russian, lb.	12
Imitation	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge	7 50
28 gauge	8 50

Tin plate, IC charcoal, 20 x 28, box	8 50
" IX	10 50
" IXX	12 50
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lbs	6 00
Broken lots.	6 50
Pig lead, 100 lbs.	4 25
Wrought pipe, black, 1/4 inch.	2 50
" 3/8 inch.	2 75
" 1/2 inch.	3 00
" 3/4 inch.	4 00
" 1 inch.	5 00
" 1 1/2 inch.	7 00
" 1 3/4 inch.	8 50
" 2 inch.	11 50
Over 2 inch.	65 p.c.
Rope, sisal, 7-16 and larger.	13 00
" 3/8 and 5-16	12 75
Manilla, 7-16 and larger	13 25
" 3/8	14 50
" 1/4 and 5-16	14 00
Cotton, all sizes, lb.	15
Axes, per box	\$5.50 to 8 00
Screws, flat head, iron	85 p.c.
Round	77 1/2 p.c.
Flat " brass.	80 p.c.
Round " "	72 1/2 p.c.
Bolts, carriage	60 p.c.
Machine.	60 p.c.
Tire.	55 p.c.
Sleigh shoe.	65 p.c.
Rivets, iron.	50 p.c.
Copper, No. 8, lb.	25c.
Spades and shovels.	40 p.c.
Harvest tools.	60 to 60 p.c.
Axe handles, turned, s. g. hickory, doz.	\$2 50
No. 1.	1 50
No. 2.	1 25
Octagon extra.	1 65
No. 1.	1 25
Linseed oil, raw, per gal.	57
boiled	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol.	25 p.c.
" military.	15 p.c.
American R.F.	35 p.c.
C.F. pistol.	5 p.c.
C.F. military.	Net
Loaded shells, Robin Hood, M	\$18 00
Eley's 12 gauge, M.	16 00
American, M.	16 20
Shot, Robin Hood	10 00
Ordinary, per 100 lbs	6 25
Chilled	6 75
Powder, F.F., keg.	4 75
F.F.G.	5 00
Tinware, pressed.	70 and 30 p.c.
Granite ware, according to quality.	50 to 60 p.c.

MONTREAL PLUMBERS FOR QUEBEC

A special meeting of the Montreal Master Plumbers' Association was held on Monday 27th inst. for the purpose of electing delegates to the National Convention of Master Plumbers' and Steamfitters' of Canada, to be held in the City of Quebec on the 29th and 30th of June and 1st of July. The following delegates were appointed, it being optional, of course, for any other members of the association to attend in their individual capacity: J. W. Harris, Jos. Montpetite, J. Brunet, J. A. Sadler, G. C. Denman, T. Christie, P. J. Carroll, T. Forest.

THE PORTLAND ROLLING MILLS.

A paragraph appeared in the last issue of **HARDWARE AND METAL**, to the effect that the Portland Rolling Mills Co., Limited, St. John, N.B., had closed its works; also that the company was looking to the west for increased trade.

Just as we go to press we are in receipt of a telegram from the Portland Rolling Mills Co., Ltd., stating that the paragraph referred to is misleading. "Our mill is running actively and has never ceased manufacturing; orders good."

NOTES ON THE PLUMBERS' CONVENTION.

Several of the leading plumbers of Quebec, assisted by their friends, the supply houses, are getting up a number of enjoyable entertainments for the benefit of the delegates to the coming convention, including a drive around the city, a trip around the harbor, a private excursion to the shrine of St. Anne, and the celebrated Falls of Montmorency, a banquet in the Victoria Hotel, and other attractions that will tend to make this one of the most enjoyable conventions they have ever held.

One good idea we notice is that Mr. W. H. Wright, of The Mechanics Supply Co., Quebec, has two parlors reserved for the use of the delegates, close to their meeting room, where he is entertaining all his friends, and will be ably assisted, we understand, by The Toronto Radiator Mfg Co., Warden, King & Son, and The Toronto Foundry Co., all of whom have their representatives at the convention. The leading newspapers, writing material, etc., are also provided by Mr. Wiggs, and he is doing all he can to make the delegates remember Quebec.

The delegates are to meet to have their photo taken by one of the leading photographers of Quebec, in the vicinity of the new City Hall.

Sessions are all to be held in a large room placed at the disposal of the convention by the proprietor of the Victoria Hotel.



SEALED TENDERS addressed to the undersigned, and endorsed "Tender for Supplying Coal for the Dominion Buildings," will be received at this office until Friday, 22nd July.

Specifications can be seen and form of tender obtained, on and after Friday, the 24th June, at this office, where all necessary information can be had on application.

Tenders will not be considered unless made on the printed form supplied, and signed with the actual signatures of tenderers.

Each tender must be accompanied by an accepted bank cheque equal to ten per cent. of amount of the tender (10 p.c.) made payable to the order of the Honourable the Minister of Public Works, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department will not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, 22nd June, 1898.

Newspapers inserting this advertisement without authority from the Department will not be paid for it

Knowles, Ham & Nott Co. Limited.

BRANTFORD



The Brantford.

Manufacturers of

Refrigerators, Screen Doors, Screen Windows etc. Household Refrigerators in four lines, Grocers' Refrigerators in three lines, Screen Doors four lines Screen Windows four lines. All in various sizes. Our aim is to make first-class goods at the right prices, and deal fairly with all having dealings with us. Send for prices and Catalogue.

EXCELSIOR—

Potato Bug Killer

SANDERSON PEARCY & CO.

TORONTO

DOWN THE CLYDE.

STANDING upon one of the docks at Glasgow, a traveler recently remarked that he was astonished at the immense cargoes which were being stowed in one of the Clan Line steamers loading to go through the Suez canal. This line is only one of many which frequent the Clyde and assist in making Glasgow the world over a famous shipping port. As is generally known, the Clyde enjoys distinguished preeminence as a shipbuilding centre, and the local consumption of material is very great. From the "Tail o' the Bank" to the Jamaica street bridge and beyond, is an object lesson not easily forgotten, and shows unmistakably Scotland's share in making Great Britain the greatest maritime power the world has ever seen.

A run on one of MacBayne's magnificent side-wheel steamers to the Western Islands is a very popular trip with tourists, passing dock, crag, and castle, with beautiful homes here and there, the residences of well-to-do Scotch folk.

On account of its compactness and solidity, lead and its products are eagerly sought for as freight by vessel owners, and, for half a century, the lead productions of Messrs. Alexander, Fergusson & Co., of Glasgow, have easily led the shipments exported from the Clyde to all parts of the world. In the

shipbuilding yards their red lead, oxidized at their extensive works at Maryhill, is especially the favorite, as it is a deep, rich color, and peculiarly adapted for all surfaces liable to be submerged in water, as it is to the last degree non-porous. Amongst ship and house painters the far-famed "Elephant" brand is as "familiar as household words," and is used in every civilized part of the globe where British push and energy has been able to reach. White lead, without exception, is the best white pigment we have, and the "Elephant" brand, corroded by the old Dutch process by Alexander, Fergusson & Co., is an ideal paint, which has never been superseded. In Canada, it has been a favorite for about thirty-five years, and the Canada Paint Company, whose headquarters are in Montreal, with branches at Toronto and Victoria, B.C., control the output for the Dominion.

UNNECESSARY FUSS.

A great deal of unnecessary fuss is being made over reciprocity with France. Our trade with that nation is a bagatelle compared with our commerce with Britain.—*Merchants' Review*, New York.

George J. Marston, hardware merchant, Hull, Que., died on Sunday, aged 55 years.

A NEW FIRE EXTINGUISHER.

The exhibition of The Emergency Fire Extinguishing Co., under the superintendence of Mr. Stevens, on the Champ de Mars, Montreal, on Monday afternoon, was a complete success.

A pine sluice, 12 feet high, was filled with dry pine slats and excelsior, and all thoroughly saturated with coal oil. This was then set on fire, and, after burning intensely for 3 minutes, was completely put out in 9 seconds by the use of only one can of fluid.

The heat from the burning mass was so intense that the crowd kept a good distance away, yet, an assistant, after washing his hands and face with the fluid, literally walked in the flames without the least discomfort.

The patent right for Canada is owned in Kingston, Ont., but a company is being formed in Montreal to manufacture there.

MACHINERY FOR EDDY'S MILLS.

The Eddy Co.'s extensive alterations and enlargement of paper mill No. 5, and of their match factory, are progressing rapidly. The structural steel work for both these jobs (the contract for which was awarded to The Phoenix Bridge and Iron Works, of Montreal), is now on the ground, is most massive, and is being put into place. Bagley & Sewall are sending on the new 112-inch paper machine next month.

FOUR REASONS WHY DEALERS

for which Dealers can offer no substitute without injury to their trade.

should sell a brand of Stove Polish which, above ALL others, consumers want, and

Enameline

The Modern STOVE POLISH

First: It is Superior to All others in Quality.

Second: It gives Perfect Satisfaction to Consumers.

Third: It is Thoroughly Advertised and Sells itself.

Fourth: NO OTHER Stove Polish ON EARTH has so large a sale.



A WORK OF BUSINESS MEN.

THERE is a good article in The News-Argus, Stirling, Ont., of June 23, on farm forestry, which is published below. As it points out, there are large areas of land, cleared of trees, unfit for cultivation which should be laid out in trees. The average farmer is not enterprising. He will never, of his own accord, try to improve his condition. The business centres are interested in the improvement of the farmers who buy from them. Replanting of these lands should be agitated and developed by local boards of trade in every part of Canada. The News-Argus says:

"For some years past agriculture has been in a depressed condition owing to the steady fall of prices of the staple articles of produce consequent upon greatly increased production and the opening up of new regions. An occasional favorable season, such as last year, when special causes operate to ensure better returns for the time being, does not invalidate the conclusion that the general tendency is towards a cheapening of agricultural products in the markets of the world, and, that no permanent improvement of the conditions of farming, based on a restoration of high prices is possible. The same thing is true with regard to other lines of productive industry. Everywhere vastly increased production, the expansion of manufacturing and of the commercial system, the competition for markets have resulted in lowering prices of the producer and rendering necessary a much greater volume of production on his part to secure equal returns to those formerly enjoyed.

"In the business world these new conditions have been met by new methods. The careless, easy-going systems which prevailed in the days of big profits have been abandoned. Foresight, close calculation and a careful adaptation of means to ends are essential requisites of business success. Profits being cut down, every industrial producer in order to maintain his position is obliged above all things to study economy

in production to secure the largest possible output with the least possible expenditure of labor and capital, to take strict account of the various processes of manufacture so as to prevent unnecessary waste. Above all things he must see to it that the capital embarked in his business is kept profitably employed and not invested in stock and machinery which stands idle year after year, bringing in no return. Slackness in this respect on the part of the ordinary man of business would very soon result in bankruptcy.

THE BUSINESS VIEW.

"These conditions are just as imperative in the case of the farmer as with the manufacturer or merchant. In order to hold his own in the face of competition with wheat and stock raisers the world over, he must abandon slack, unsystematic methods of doing things, and utilize to the full extent all his resources, instead of allowing a large proportion of them to lie idle, as is too often done. The principal capital of the farmer is his land, and any part of the soil belonging to the farm, which is either wholly non-productive or turned to a less profitable use than it might be, represents so much wasted capital.

"The great volume of idle capital possessed by farmers is indicated by the returns of the Provincial Bureau of Industries for 1896, according to which, out of a total of 23,172,408 acres embraced in the rural municipalities of the Province, 3,263,390 acres were classed as waste land. It is probable that the real area of land which could fairly be included under this heading is considerably in excess of these figures. There are comparatively few farms, even in the best agricultural districts, without more or less land which, owing either to the situation or inferiority of the soil, is left uncultivated, without being turned to any other profitable use. There are ridges or crests of land where the soil, by washing away, soon becomes impoverished, and sandy or rocky patches or hillsides, which, by reason of their steepness, are difficult of tillage.

One can travel scarcely anywhere in the older settled parts of Ontario without noticing fields that have been cleared of trees, in which the land was found to be so poor that it was not thought worth while to remove the stumps, and they still remain. The field is supposed to furnish pasture, but of such a character as to provide little, if any, rent for the land. Again, there often partially cleared woodlands which have become grass-grown sufficiently to check the new forest growth, and are allowed to remain partly wooded, for the sake of fuel supply, and used for pasture. The value of the diminishing wood, which, under such conditions, cannot reproduce itself, falls far short of the yield that the land would return if either kept properly and completely under timber or cleared for cultivation.

"In Ontario the great development of the business of farming is and will be along the line of

DAIRYING AND FRUIT GROWING.

"In fruit growing it is obvious to even a casual observer that the idle land is useless and it is equally so in dairying. Modern scientific practice is more towards feeding the stock in the stable and abandoning the use of pasture land. Cows are milked all the year round and allowed out of the stable only for exercise. It is found cheaper and more profitable to grow fodder and prepare it for the cattle than to turn them out to hunt for a living. Pastures are playing a less prominent part in farm economy, certainly the stump pasture is a great mistake. The land that will not grow grain or roots will not pay rent as pasture, and should be used for the only purpose for which it is profitably adapted.

"It is by the utilization of the land which, whether classed as waste or not, is not at present in fully productive condition that the farmer must seek to supplement the diminished returns of his holding. The one thing which nearly all land, that, by reason of sterility or steepness, is uncultivable, will yield to advantage is timber.

PLANTING WITH TREES.

"Planting with trees the waste land, or the land which is so inferior that it does not pay to raise agricultural produce upon it at low prices, will not merely prove an ultimately profitable investment, yielding rich returns in the future, but the presence of the timber at an early stage of its growth will materially increase the fertility of the surrounding acres."

Manufactured in Canada

We are now making the well known brands "Syracuse" Babbit Metal, and "Columbian" Phosphor Tin.



These are positively the best goods ever offered in Canada for heavy machinery bearings.

Also at
SYRACUSE, N.Y.

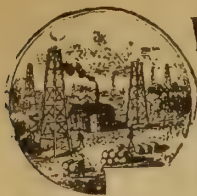


Special discounts for large quantities.

We are also manufacturers of Plumbers' and Tinsmiths' Solder, as well as importers and dealers in Pig Tin, Lead, Antimony, Aluminum, Copper, Brass, Nickel, Zinc, etc.

SYRACUSE SMELTING WORKS,

William Street
MONTREAL



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for...

Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.



IRON FENCING

and all kinds of

Iron, Wire and Brass
Work

Address—
Toronto Fence and
Ornamental Iron Works

(Joseph Lea, manager
ADELAIDE ST. WEST

PARIS ELECTRO PLATING CO.

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings,
Piano Stool Feet, Novelties, etc. Bicycle Work
a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.

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Write today for a free copy of our interesting books
"Inventors Help" and "How you are swindled."
We have extensive experience in the intricate patent
laws of 50 foreign countries. Send sketch, model or
photo for free advice. MARION & MARION,
Experts, New York Life Building, Montreal, and
Atlantic Building Washington, D. C.

The Portland Rolling Mills Co., Limited

Manufacturers of

Refined Bar Iron
Railway Spikes
Pressed Spikes
Nails and Tacks
"Diamond" Brand Horse Shoes

ST. JOHN, N.B.



"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not.
Perhaps you make as much money on the
sale of a useless Upsetter as on a good
one, but your customer does not. He
don't want a machine because it is called
an Upsetter; he wants a machine to upset
tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

HARDWARE DEALERS' MAGAZINE

Largest Circulation in its field in the World

One Dollar
a Year.

D. T. MALLETT, Publisher
271 Broadway, New York

Specimen
Copy upon
Request

It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

FULL LINE OF

WAREHOUSE (Portable or Dormant)

HOPPER SCALES

DAIRY SCALES, COUNTER SCALES

WAGON SCALES

TRACK SCALES

THE GURNEY SCALE CO., - Hamilton, Ont.

WALTER GROSE, 30 St. Dizier St., Montreal, Que.

Agent for Montreal and Eastern Provinces.



Prize
Cups
Trophies
Pewters

Medals
Presentation
Trowels

A specialty with
us.

♦♦
If interested,
write for illustra-
ted Catalogue.

THE TORONTO SILVER PLATE CO., Limited, King St. West, TORONTO, CAN.

E. G. GOODERHAM, Manager and Sec.-Treas.

TRADE IN HALIBURTON AND VICINITY.

I HAD a pleasant five minutes' chat a few days ago with Mr. H. H. Clarke, of Haliburton. Mr. Clarke is manager of the general store in that town owned by Mrs. Bessie Anderson, and was in Toronto on business and, as he facetiously remarked, to "pay his debts."

"Trade in Haliburton," he said in reply to a query, "is not bad. But Haliburton is in a lumbering district, and, of course you know, the lumber trade is not good. Then the limits in our part of the country are becoming exhausted, and the lumbermen are moving further back into the country. The Gilmours, for instance, are now cutting away back in the Algonquin Park, the territory set apart by the Ontario Government as a National Park. There are now altogether from twelve to fifteen concerns cutting timber in that park, and each of these concerns employ, as a rule, from four to five hundred men."

"But," I interposed, "is not that a strange proceeding; it will be a queer natural park when it is deprived of its forests."

"Well, the people I have spoken to regarding the matter," continued Mr. Clarke, "say that the timber limits within the park were sold by the Government before the area comprising it as such was set aside as a park."

Then Mr. Clarke animadverted upon the raw fur trade. "At one time," he said, "at Haliburton, over \$3,000 per day was sometimes paid out for furs during the season. The trappers would go out twice a year—in the spring and fall. Their chief hunting ground was the territory now known as the National Park. Since it became a park, however, it is unlawful for them to trap game there. And, as a result, the fur trade in Haliburton has been killed. This is a great loss to our town."

"What are they doing in your neighborhood in the way of mining?" I ventured.

"Well, they have been doing a good deal of prospecting for gold, and during the past few weeks men have been at work on the mountain behind the town. They have done a deal of blasting, and they claim that the ore being turned out is assaying \$15 per ton. They are now trying to float a company and put in crushers."

"How are the farmers doing up your way?"

"Haliburton is not a good farming country, and our farmers used to raise perhaps \$50 to \$100 by going into the woods during the winter; but now they cannot do that. They are, however, devoting more attention to their farms. They are raising more live stock, for instance, while the

butter of Haliburton is as good as any in the Dominion. While we cannot raise much grain, our lands are well adapted for grazing, being well watered."

Mr. Clarke has not been in Toronto for eight years, and he observed several improvements in the city.

OMAR.

ADVERTISING.

I am an advertiser great!
In letters bold and big and round
The praises of my wares I sound—
Prosperity is my estate.

The people come,
The people go,
In one continuous,
Surging flow—
They buy my goods and come again,
And I'm the happiest of men;
And this the reason I relate—
I am an advertiser great.

There is a shop across the way,
Where ne'er is heard a human tread—
Where trade is paralyzed and dead—
With ne'er a customer a day.

The people come,
The people go,
But never there—
They do not know
There's such a shop beneath the skies,
Because he does not advertise;
While I with pleasure contemplate
That I'm an advertiser great!

The secret of my fortune lies
In one small fact which, I may state,
Too many tradesmen learn too late—
If I have goods, I advertise!

Then people come,
And people go,
In constant streams;
For people know
That he who has good wares to sell
Will surely advertise them well;
And proudly I reiterate,
I am an advertiser great.

—Eugene Field.

NEW INVENTIONS.

Below will be found a list of new inventions recently patented by Canadian inventors by the Canadian, French and Belgium Governments, through the agency of Marion & Marion, New York Life Building, Montreal.

Canadian—60306, Fabien Laporte, St. Ambroise de Kildare, P.Q., agricultural implements; 60311, J. T. Hunter, Linden, N.S., lock; 60313, S. W. Butterfield, Three Rivers, P.Q., log sawing machine; 60337, E. Jacques, Montreal, P.Q., car fender; 60340, R. B. Stevenson, Phillipsburg, P.Q., slate cleaner and pencil holder; 60354, L. A. Caron, Montreal, P.Q., nut lock; 60365, A. Amiot, Montreal, P.Q., street railway car implements.

French—269126, W. E. Hunt, Montreal, P.Q., bicycle support; 270110, Harris et al Victoria, vignetting apparatus; 269873, J. E. Kennedy, Montreal, P.Q., shoe; 270713, John H. Poole, St. John, N.B., cork puller and label destroyer.

Belgium — 130334, Wm. J. Curry, Nanaimo, B.C., leaf turner; 130856, J. H. Poole, St. John, N.B., label destroyer and cork puller; 131346, Hubbard Sine, Harold, Ont., cabbage cutter; 131571, David A. Taylor, Black Cape, P.Q., bicycle brake; 132751, H. B. Fitzsimon, Wapella, N.W.T., anti-refilling bottle.

"Tandem" Anti-Friction Metal

suitable for all purposes.



- A For heavy pressure and high speed.
- B For medium pressure and high speed.
- C For low pressure and highest speed.

If your dealer does not carry this line, order direct from

Lamplough & McNaughton
Montreal

Wheelbarrows. ALL KINDS.



Send post card and get copy of New Catalogue.

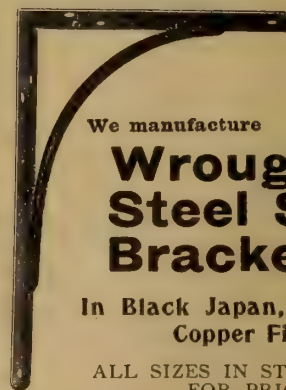
Cleland Bros. & Co.
MEAFORD, ONT.

Eastern Agent—

ALEXANDER GIBB,

Telephone 2343.

22 St. John St., MONTREAL



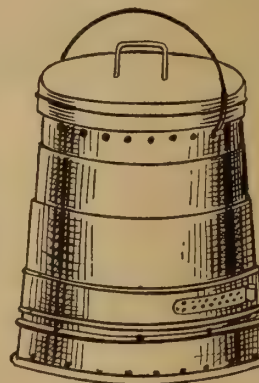
We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and Copper Finish.

ALL SIZES IN STOCK. SEND FOR PRICES.

H. R. IVES & CO., Montreal.



Mosquitoes, Black Flies, etc., are kept away with SMOKE, from Wood, Bark, Twigs, etc., smouldering in The Patent Folding

"SMUDGE-STOVE"

Only weighs 14 oz. Folds up $4\frac{1}{2}$ x $3\frac{1}{2}$ inches. When well lighted, wood will smoulder or smoke in this stove for four hours. Everyone wants it. Keep them in stock. Price \$12.00 per doz. Ask your wholesaler for them.

HENRY IEVERS, Patentee, - QUEBEC

WALL PAPER.

Our New Samples
for the
Season of 1898-9

ARE NOW COMPLETE
and our salesmen start on the road forthwith

THE SAMPLES SURPASS
ALL FORMER PRODUCTIONS,
and are sure to win your commen-
dation. * * * *

EVERY COLORING IS NEW,
Every Pattern is a good one, from
the cheapest blank to the special
designs in 22-in. goods.

THE GOODS ARE LOW-PRICED
(Lower than ever before)
but don't look cheap, and will there-
fore yield you a good profit.

WAIT TO SEE OUR SAMPLES
before ordering. If our salesman
dosen't reach you by the time you
are ready to order, write us. We
will arrange to show you samples.



ONE OF OUR NEW DESIGNS.

M. Staunton & Co.

MANUFACTURERS

TORONTO, Ontario.

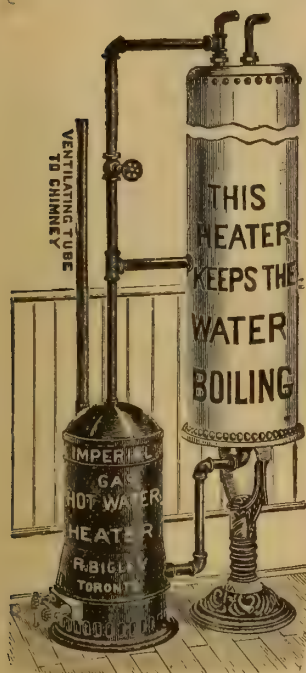
N.B.--

If you sell WALL PAPER, send us your name and address (mentioning "HARDWARE") on a **post card**, and we will forward **FREE** and post-paid, an **article** that every Wall Paper Dealer will find useful.

SEND FOR IT TO-DAY

Imperial Gas Water Heater

PATENTED.



This heater will heat sufficient water for a bath in 15 minutes, and consumes from 20 to 30 feet of gas per hour.

The heater is tested to 200 lbs. pressure.

Is especially adapted for domestic uses, Hospitals, Hotels, Restaurants, Laundries, or for heating water for a Baptistery or Greenhouse, or can be used as an auxiliary to any Hot Water System; is fitted with a double convex gas burner so that one or both can be used as required; has needle-pointed gas valves. The heater is made of cast iron, lined with asbestos, and covered with steel casing. Call and see them in operation or send for catalogue.

Manufactured by

R. BIGLEY,

96 and 98 Queen
Street East,

TORONTO

Hardware Men

acknowledge that we make the finest line of

COW TIES

in the world.

This year we are making a specialty of the

PRICE.



“AMERICAN” and
“ONEIDA WIRE.”



N.B.—Jobbers who have not already arranged with our traveler should write for 1898 prices.

ONEIDA COMMUNITY, Limited
NIAGARA FALLS, ONT.

John Bowman Hardware and Coal Co.

180 to 182 York St. = LONDON, ONT.

Screen Doors Woven Wire Poultry Netting Fence Wire Paris Green Harvest Tools Builders' Hardware

Full stock of seasonable goods. Prompt shipment. Close prices.

The...
**Dominion
Wire
Manufacturing
Company,
Limited.**

Manufacturers of

MONTREAL.



TORONTO.

Iron, Steel,
Brass and
Copper ..

WIRE

WIRE NAILS and WOOD SCREWS
BRIGHT WIRE GOODS

STEEL and BRASS JACK CHAIN
“CRESCENT” COAT and HAT HOOKS

Ask for “Dominion” Goods.

Guaranteed and
SECOND TO NONE.

HEATING AND PLUMBING

MONTREAL PLUMBING BY-LAW.

AT the Montreal City Council, this week, a by-law to amend the plumbing by-law was introduced and read a first time. It provides that :

Whereas, this council has been given the power to establish a board of health and to grant thereto power and authority to take means to promote the health of the city, to provide precautionary measures against the introduction of diseases, etc.;

And, whereas, the existence, within the city limits, and especially within the densely populated portions thereof, of pit-in-the-ground-privies is a menace to public health and a frequent cause of disease ;

It is ordained and enacted by the said council as follows :

Sec. 1.—Paragraph (41) of section 4 of by-law No. 215, passed on June 4, 1894, and intitled "By-law concerning plumbing, drainage and ventilation of buildings" is amended by striking out all the words in the three first lines of said paragraph and by replacing them by the following so that the said paragraph reads as follows :

"(41).—No privy vault or cesspool for sewage shall be, after May 1st, 1899, permitted to remain in any part of the city where water closets can, by means of a drain not over 200 feet in length, be connected with a public sewer in the street. When no sewer exists in the street, a permit for a temporary privy may be granted by the board of health ; and in such case it shall be water-tight, of a capacity of 45 cubic feet ; the sides and bottom shall be constructed of cemented brick, 12 inches in thickness and well cemented inside with hydraulic cement ; such vault may be constructed of cast iron, the shape or form of which shall be either circular or oblong, without angles, and with a concave bottom ; it shall be provided with a ventilation pipe at least four inches in diameter, extending from the pit through the roof, sufficiently high as to prevent inconvenience to occupants of neighboring houses ; the seats shall have a tight-fitting cover ; it shall have an aperture opening exteriorly to allow of cleaning by pneumatic process, such aperture to be 2 feet by 1½ feet in size ; or else the flooring shall be air-tight and shall have a tightly fitting trap-door communicating with the pit ; the top of the vault shall be one foot above the level of the ground ; nothing shall be put into such pit, excepting human excreta ; privies shall be located at a distance of 20 feet (or more, according as the board of health may deem necessary) from any house or street ; they shall be emptied when the contents reach to within 18 inches of the top of the vault, by persons appointed by the board ; no offensive smell or gases shall be allowed to escape therefrom. But, in no case shall a privy be allowed within the walls of a dwelling house or in any property situated on a street having a sewer."

Sec. 2.—The said by-law is further amended by adding, after section 5, the following :

"Sec. 6.—For each day after the 1st of May, 1899, that any privy vault or cesspool for sewage shall be permitted to remain within the city limits, in contravention of paragraph (4) as above amended, the owner of the property shall be liable to a minimum fine of one dollar, recoverable through the recorder's court on action of the health

Department or of any member of the board of health."

Sec. 3.—Section 6 of said by-law becomes section 7.

PLUMBING AND HEATING CONTRACTS.

Fiddes & Hogarth, Toronto, have the contract for the plumbing and heating of a residence on Brock avenue for A. S. Levack.

The John Ritchie Plumbing and Heating Co., Ltd., Toronto, has the contract for the heating of the store of Robertson & Little, dry goods merchants, London, Ont.

Plaxton Bros., Winnipeg, have the following plumbing and heating contracts : Steam heating, plumbing and gasfitting in the Trust and Loan Co.'s new block, Winnipeg ; steam heating of Field, Glacier House and North Bend hotels for the Canadian Pacific Railway ; steam heating, plumbing and acetylene gas plant for the new railway station being built for the Canadian Pacific Railway Co. at Moose Jaw ; plumbing in the Holy Trinity Coffee and Lodging House, Winnipeg ; hot water heating of Land Titles office, Morden ; hot water heating and plumbing of new convent at St. Boniface ; new plumbing system in Robbin House, Winnipeg ; plumbing and gasfitting in six or seven private residences, Winnipeg.

PLUMBING AND HEATING NOTES.

Building permits have been issued in Toronto to the trustees of the Toronto General Hospital for a pair of semi-detached residences on Farley avenue, to cost \$1,800 ; and to J. B. Sparrow, for alterations and additions to the Toronto Opera House, to cost \$1,200.

Purdy, Mansell & Co., Toronto, have contracts for heating Ryerson and Dufferin public schools in Toronto.

INCORPORATED TO MAKE RADIATORS.

Joseph Wright, contractor ; David Carlyle, builder ; John Stark, broker ; John H. Taylor, manufacturer ; Charles T. Stark, broker, all of Toronto, have been incorporated under the style of The Dominion Radiator Co., Limited, with a capital stock of \$300,000. They have acquired the business, etc., of The Toronto Radiator Manufacturing Co., Limited, and intend to manufacture radiators, steam generators, boilers, hot air furnaces, ranges, stoves, grates, and other heating apparatus and appliances and all machinery, castings and parts necessary or used in the manufacture of heating apparatus generally, whether for heating by steam, hot water or hot air, used either separately or in combination, also all kinds of plumbers' and steamfitters' supplies, and generally to carry on the business of foundrymen in all kinds of metals and metal castings and other ores.

BANK OF HAMILTON.

The annual meeting of the shareholders of the Bank of Hamilton took place on the 20th. An excellent year's business was reported. The expansion of the bank's activities into the Province of Manitoba has proved successful, with still more brilliant prospects for the future. In Ontario, new agencies have been opened at Niagara Falls, Delhi, and Southampton. The following board was reelected : John Stuart, president ; A. G. Ramsay, vice-president ; John Proctor, Geo. Roach, A. G. Wood, M.P., A. B. Lee, and Wm. Gibson, M.P.

"Mistuh Pinkley," said Miss Miami Brown, "what is dis here diplomacy?"

"Well, I dunno whether I kin transparify the question so's you'll see froo it. But ef de lan'lord come 'roun' foh de rent an' I says I ain' gwineter pay, why, I gits put out. But ef I tells 'im to come 'roun' nex' week, an' nex' week, an' nex' week tells 'im ter come 'roun' ag'in, an' so on, dat's diplomacy."—Washington Star.

ARMSTRONG MAN'F'G. CO.



AWARDED TO
Armstrong
MANUFACTURING CO.
For Best Adjustable
Wrench and Jaws
FOR PIPE AND BOLTS
CLAIMING
SIMPLICITY, DURABILITY
AND EASE OF USE
CHICAGO 1893



CATALOGUES ON APPLICATION.

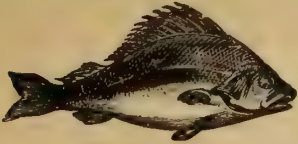


INTERNATIONAL COTTON EXPOSITION
ATLANTA GA 1891

**WATER GAS
AND**

BRIDGEPORT, CONN.

**STEAM FITTERS
TOOLS**

Fishing Tackle.**ALLCOCK'S STAG BRAND**

goods are the best. When you buy from us you buy from the largest makers and oldest house in England. Established 1800.

TRADE MARK

The Alloock, Laight & Westwood Co., Limited
73 Bay Street, TORONTO, and
REDDITCH, ENGLAND.

Sole wholesale selling agents for THE DOMINION
HAMMOCK MANUFACTURING CO., Paris, Ont.

James Warnock & Co.

... GALT, ONT.

Manufacturers of _____

**AXES, EDGE TOOLS
SPRINGS AND GEARS****The Stevens Mfg. Co., London, Ont.**

—CARRY A FULL LINE OF—

IRON PIPE and **LEAD PIPE,** **LEAD TRAPS**
Fittings,and Plumbers' and Steamfitters' **BRASS GOODS.****M. B. Perine & Co.**Manufacturers
of ...

—DOON, ONT.

**Eureka
Binder
Twine**and of every variety
of ...

Flax, Hemp, Jute and Cotton Twines.
Flax and Hemp Rope, and Plough Lines.

**EXTENDED
INSURANCE.**

One of the many liberal features embodied in the
UNCONDITIONAL ACCUMULATIVE POLICY
issued by the

**Confederation
Life Association,****HEAD OFFICE--TORONTO,**

is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

Rates and full information sent on application to the Head Office, Toronto, or to any of the association's agents.

W. G. Macdonald,
Actuary.

J. K. MACDONALD,
Managing Director

PLUMBING AND HOT WATER FITTING IN QUEBEC CITY.

OUR attention is somewhat drawn to that "Mecca" of all Canadian and American tourists, Quebec city, at this time, from the fact that the Plumbers' convention for the Dominion of Canada is being held there this week.

The delegate arriving by boat or by train, is struck with the natural position of the city, so different from any other in Canada. It is a veritable city built on a hill, and the stranger at once has evidence of the fact. The story is told of a Quebecer, who went to Toronto and wrote back that he wished he could come across a hill now and then on which to rest himself! This monotony is not to be found in Quebec.

Then, when on the top, what a view greets one! Mountains, plain, river and flourishing villages, are spread out before us as far as the eye can reach. The beauty of it is not excelled elsewhere in the world, and, as the promenader walks up and down the Dufferin Terrace ($\frac{1}{4}$ of a mile long), he begins to realize that after all Quebec is not such a bad place, and that one might possibly be able to live there and enjoy life. This thought is further enhanced by a drive out the Grande Allee past the old battle field, the Plains of Abraham, where Canada was fought for and won to grace forever the crown of the British Empire. We pass attractive country residences, and returning back into the city by the St. Foye road, the whole panorama of the valley of the St. Charles is spread out to the admiring beholder. A word of advice to the stranger visiting Quebec in the winter, "Don't get stuck in the snow." On the return trip we notice the monument erected to the brave French commander "De Levis", who tried to retake Quebec, and almost succeeded. The name of his opponent, General Murray, is coupled with it, and one has a striking evidence, both here and elsewhere, that the rivalry between the two nations is burned forever, and that hand in hand the two peoples, while respecting the glorious deeds of the past, now work together for the up-building of this Canada of ours. The cordiality and courtesy of the French is shared by those who speak the mother tongue of England, and, for this reason, one cannot but feel the charm there is in residing in this quaint old city.

To the traveler who has not visited Quebec, however, for some time, evidence of the progress made there during the last few years is seen everywhere. Handsome new buildings have been erected, such as the Chateau Frontenac, the Court House, the City Hall, the Victoria Hotel; and the electric car and electric light and telephone systems are not equalled anywhere in

Canada. So that we have at once pleasure to suit the antiquarian or the modern ideas civilization. The comfortableness of the private dwellings is also to be noted, and to the plumber and hot water fitters, no small credit is due, for the manner in which this idea is carried out. It has often been a matter of surprise to see the very large buildings that are heated so successfully with hot water, Safford radiators being almost exclusively used. Steam is hardly known and never used in private dwellings. One job that would repay a visit, is the new City Hall heated by Messrs. O. Picard & Son, under the supervision of Emile Tanguay, architect, or the new Court House done by John Walker, one of the oldest craftsmen in Canada, and where typical Quebec heating can be seen. We might mention many others done by some of the other leading plumbers, such as Vandry & Mattie, A. Forrest, Sampson, Vezina, and others, but these will suffice.

In the plumbing trade nearly all of the most modern ideas are used, and good plumbing work is almost universal. A visit to the leading supply houses, or to the plumbers' shops, will show one that the latest sanitary appliances are well known.

But here, as elsewhere, the craft suffers very much from cutting of prices, and the plumber plods along content to earn a meagre livelihood so long as he gets the job and outdoes his fellow workman. This ought not to be, and, it is to be hoped, that the holding of these annual conventions, will bring about a better feeling among the trade, and raise the position of the plumber and hot water or steam fitter to the prominence that it deserves in the community.

W. H. WIGGS,

Mechanics Supply Co.,
Quebec.

INTERESTING TO PLUMBERS.

The American Public Health Association have issued "The Preliminary Announcement" for the twenty-sixth annual meeting, which is this year to be held in Ottawa, on September 27, 28, 29 and 30 next. Our plumbers will be glad to learn that the committee on sanitation, with special reference to drainage, plumbing and ventilation of public and private buildings, which committee was formed last year, on the suggestion of the Montreal Master Plumbers' Association, has taken its place as one of the regular committees of the most important associations in America, in all pertaining to sanitation. The committee is composed of: J. W. Hughes, Montreal, chairman; Dr. Miguel Marque, Chihuahua, Mexico; Mr. Crosby Gray, Pittsburgh, Pa.; Dr. James Campbell, Hartford, Conn.; Mr. John Mitchell, New York. The committee is hard at work, and an interesting report may be expected from it.

The Ontario Mercantile Agency

(Limited)

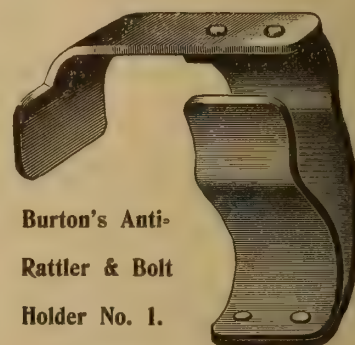
18 Wellington Street East, TORONTO.

Collects accounts anywhere. Fees for current accounts 10 per cent. of amount collected. No fee less than \$1. Prompt returns. Report to you monthly. References given. Try us.



"BUILD TO-DAY THEN,
STRONG AND SURE,
WITH A FIRM AND
AMPLE BASE."
—Longfellow.

DO YOU?
WISH THIS TO BUILD
an advertisement
in the
**CONTRACT-
RECORD.**
TORONTO
will bring you
tenders from the
best contractors



PAT. NOVEMBER 15, 1887.

A perfect Anti-Rattler and Bolt Holder combined Drops over head of bolt and prevents loss of bolt if the nut comes off. And we also manufacture Burton's Nos. 2 and 3 Gem Wire and Wire Drive and Fernald Wire, Anti-Rattlers. Samples free on application. Becker Game Trap, Dandy Clothes Rack. Ask your Jobber for them, or send to us for prices and circulars

FERNALD MFG. CO., Northeast, Pa., U.S.A.

THE OAKVILLE BASKET CO.,



Manufacturers of

1, 2, 3 Bushel

Grain

AND

Roots

BASKETS

THE OAKVILLE
BASKET CO.

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

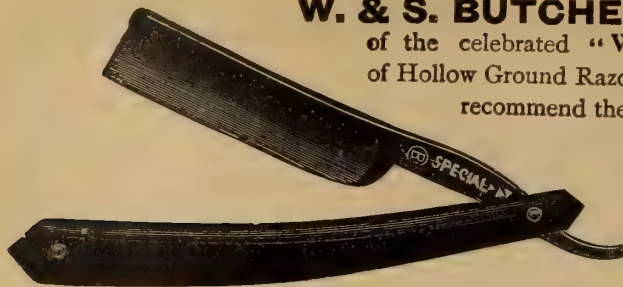
"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

MONTREAL, QUE.

W. & S. BUTCHER, Sheffield, England, Makers for over ONE HUNDRED YEARS of the celebrated "WADE & BUTCHER" Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their

Brand as being the most perfect **Extra Hollow Ground** Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade marks:

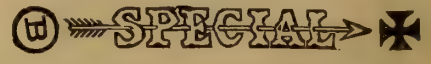


**WADE & BUTCHER,
SHEFFIELD, ENGLAND.**

OR



OR



FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY and FANCY GOODS

JAMES HUTTON & CO., Agents, - - - Montreal

CURRENT MARKET QUOTATIONS.

July 1, 1898

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—		
56 and 28 lb. ingots, per lb.	0 17	0 17½
Straits	0 17	0 17½

Tin Plates.

Charcoal Plates—Bright.		
M.L.S., equal to Bradley.	Per box	
I.C., usual sizes	\$5 00	
I.X., "	6 25	
I.X.X., "	7 50	
J. R. & Co.—		
I.C.	4 75	5 00
I.X.	6 00	6 25
I.X.X.	7 25	7 50

Famous—		
I.C.	5 00	
I.X.	6 25	
I.X.X.	7 50	
Raven & Vulture Grades—		
I.C., usual sizes	3 50	
I.X., "	4 25	
I.X.X., "	5 00	
I.X.X., "	5 75	
D.C., 12½x17	3 00	
D.X., "	3 75	
D.X.X., "	5 75	

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Bessemer Steel—		
I.C., usual sizes	3 00	
I.C., special sizes, base	3 15	
20x28	6 00	6 25

Charcoal Plates—Terne.

Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	6 00	
I.X., Terne Tin	7 50	
I.C., Orion	6 00	
I.X., Orion	7 25	7 50

Charcoal Tin Boiler Plates.

Cookley Grade—		
X.X., 14x56, 50 sheet bxs	Per lb.	
" 14x60, "	0 05½	0 06
" 14x65, "		

Tinned Sheets.

72x30 up to 24 gauge	0 05½	0 06
" 26	0 06½	0 06½
" 28	0 07	0 07½

Iron and Steel.

Common Bar, per 100 lbs	Base Price	
" from factory	1 50	1 60
Refined	1 40	1 45
Horse Shoe	1 80	
Band	1 85	2 00
Hoop	2 00	
Swedish	4 00	4 25
Sleigh Shoe Steel	2 50	
Tire Steel	2 50	
Machinery	2 50	2 75
Cast Steel, per lb	0 12	0 14
Thos. Firth & Sons' Cast Steel	0 10½	0 11
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 08½	
2 "	0 07½	
2½ "	0 09½	
3 "	0 11	

Steel Boiler Plate.

16 inch	2 00	
"	1 90	

¾ inch and thicker

Sheet Iron.

16 gauge and heavier	2 50	2 70
18 to 20 gauge	2 25	2 50
22 to 24 "	2 35	2 55
26 "	2 35	2 55
28 "	2 45	2 55

Canada Plates.

All dull, 52 sheets	2 25	
Half polished	2 35	
All bright	3 00	

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ¾ inch, \$1.87 to 2.00; ½ inch, \$2.15 to \$2.20; ¾ inch, \$2.62½; 1 inch \$3.60; 1¼ inch, \$4.75; 1½ inch, \$6.20; 2 inch, \$8.31.		
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Galvanized, ½ inch, \$3.80 to \$4; ¾ inch, \$4.60 to \$4.80; 1 inch, \$6.40 to \$6.70; 1¼ inch, \$8.75 to \$9.20; 1½ inch, \$11.25 to \$11.80; 2 inch, \$15.20 to \$16.		
Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p. c.		

Galvanized Iron.

	Gordon Crown.	Queen's Head.
16 gauge	0 03½	0 03½
18 to 24 gauge	0 03½	0 03½
26 "	0 04	0 04½
28 "	0 04½	0 04½

Chain.

Proof Coil, 3-16 in., per 100 lbs	4 65	
" ¼ " " "	3 75	
" 5-16 " " "	3 25	
" ¾ " " " "	3 15	
" 1 " " " "	3 10	
" 1¼ " " " "	2 80	
" 1½ " " " "	2 75	
Trace, per doz. pairs	3 60	5 90
German coil, per 100 ft.	1 65	2 70

Jack chain, iron, single, per doz. yards	0 13	0 50
Jack chain, double, per doz. yards		0 15
Jack chain, brass, single, per doz. yards	20	10

Copper.

English B. S., ton lots	0 12½	0 13
Lake Superior		

Bolt or Bar.

Cut lengths, round, ½ to ¾ in. round and square	0 20	0 22
" 1 to 2 inches	0 18	0 19

NOTE.—Complete, lengths about 15 feet from 3 to 5 cents a pound.

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 15	0 16
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 15	0 16½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Planished and tinned, 14x48 and 14x60	0 25	0 27
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Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 17	0 19
" 35 to 45 " " "	0 15½	0 16½
" 50-lb. and above, " " "	0 15	0 16

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 21	
Spun, per lb.	0 25	

Wire.

Pure, in coils—		
From 1 to 20 gauge, 12½ p. c. off list.		
From 20 gauge up, 12½ p. c. off list		

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 30 p. c. off list.		
Sheets, hard-rolled, 2x4	0 20	
Tubing, base, per lb.	0 0	0 22

Zinc Spelter.

Foreign, per lb	0 05	0 05½
Domestic "	0 00	0 00

Zinc Sheet.

5 cwt. casks	0 05½	
Part casks	0 06	

Lead.

Imported Pig, per lb	4 to 4½	
Domestic, per lb	0 03½	
Bar, 1 lb.	0 05	
Sheets, 2½ lbs. sq. ft., by roll.	0 05½	0 06

NOTE.—Cut sheets ½ cent per lb. extra. Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 27½ per cent. discount.

NOTE.—Cut lengths, net price, waste pipe. in 8-ft. lengths, lists at 7½ cents.

Solder.

Bar half-and-half	0 12	0 12½
Standard	0 11½	0 12
Wire	0 12	

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 10½	0 11
Other makes, per lb.	0 08	0 08½

White Lead.

Pure, Assoc. guarantee, ground in oil, 25 lb. irons	5 75	
No. 1 do	5 37½	
No. 2 do	5 00	
No. 3 do	4 62½	
No. 4 do	4 25	
Munro's Select Flake White	6 00	
Elephant and Decorators' Pure	5 75	
Brandram's B. B. Genuine	7 75	
" No. 1	7 00	
James genuine	6 95	
" No. 1	6 45	

White Zinc Paint.

Elephant Snow White	0 07	
Pure White Zinc	0 07	
No. 1	0 06½	
No. 2	0 05½	

Dry White Lead.

Pure, casks	0 04½	
Pure, kegs	0 04½	
No. 1, casks	0 04½	
No. 1, kegs	0 04½	

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)		
Pure, per gallon	1 00	
Second qualities, per gallon	0 90	
Bals. (in bbls.)	0 70	
The Sherwin-Williams Paints	1 20	
Canada Paint Co's Pure	1 00	1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)		
Venetian Red, per lb	0 07	
Chrome Yellow	0 11	
Golden Ochre	0 06	
French	0 05	
Marine Black	0 09	
" Green	0 09	
Chrome	0 08	
French Imperial Green	0 19	

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt	2 75	
Yellow Ochre (Royal), per cwt	1 10	1 15
Brussels Ochre	2 00	
Venetian Red (best), per cwt	1 80	1 90
English Oxides, per cwt	3 00	3 25
American Oxides, per cwt	1 75	1 90

Canadian Oxides, per cwt	1 75	1 90
Burnt Sienna, pure, per lb.	0 10	
Umber, "	0 10	
do. aw	0 09	
Drop Black, pure	0 09	
Chrome Yellows, pure	0 18	
Chrome Greens, pure, per lb.	0 12	
Golden Ochre	0 03½	
Ultra marine Blue in 28-lb. boxes, per lb.	0 08	0 24
Fire Proof Mineral, per 100 lb.		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb.		1 25
James' Gen. Red Lead, 100 lb		0 04½
Pure Indian Red, No. 45, lb.		0 08
Whiting, per 100 lb.		0 50

Paris Green.

Pure, in bbls.	0 16½	
250 lb. casks	16½	
50 lb. drums	17	
1 lb. packages	18	
¼ lb. "	19½	
½ lb. "	21½	
1-lb. tins.	0 18½	

Sulphate of Copper.

Casks, for spraying, per lb.	0 04½	
100-lb. cases, do. per lb.		

Putty.

Bladders in bbls.	1 80	
Bladders in 100 or 200 lb. kegs or bxs	1 95	
Bulk in bbls., per 100	1 65	
Bulk in less quantities	1 80	
25-lb. tins, 4 in case	2 30	
Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph.		

Varnishes.

(In bbls.)	per gal	
Carriage, No. 1	1 50	
Extra do.	2 50	
Body Varnish	4 50	
Furniture Varnish	0 85	
Extra do.	0 90	
Denmar Varnish	1 60	
Hard Oil Finish	1 40	
Orange Shellac Varnish	2 00	
White Shellac	2 20	
Rubbing Varnish	2 50	
Polishing Varnish	2 50	

Linseed Oil.

Raw, per gal. net	0 49	
Boiled, per gal. net	0 52	
Outside points 1c. more than above figures		

Turpentine.

1 to 4 barrels, net	0 44	
Outside points 1c. more		

Castor Oil.

In cases, per lb	0 10½	
Small lot	0 11½	

Cod Oil, Etc.

Cod Oil, per gal.	0 50	0 55
Pure Olive		1 20
" Neatsfoot		90

Glue.

(In bbls.)		
Common	5 08½	0 09
French Medal	0 12	0 12½
Cabinet, sheet	0 11	0 12
White, extra	0 16	
Gelatine	0 22	
Strip	0 16	0 18
Coopers	0 19	0 20
At clear		0 09

Liquid Glue—F. LePage's, discount 20 to 25 per cent off list; Munn's, discount 25 to 30 per cent. off list.

HARDWARE.

Ammunition.

Central Fire Cartridges, pistol sizes, Dom.
30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.

Shot.
Canadian, common, 7½ per cent.
Mass Shot Shells, 55 and 10 per cent
rimers, Dom., 30 per cent.
Wads.—Baldwin
Best thick white felt wadding, in ½-lb bags, 1 00
Best thick brown or grey felt wads, in ½ lb. bags, 0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges
Best thick white card wads, in boxes of 500 each, 10 gauge, 0 35
Best thick white card wads, in boxes of 500 each, 8 gauge, 0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges, 0 20
Thin card wads, in boxes of 1,000 each, 10 gauge, 0 25
Thin card wads in boxes of 1,000 each 8 gauge
Chemically prepared black edge grey cloth wads, in boxes of 250 each—
11 and smaller gauge 0 60
9 and 10 gauges 0 70
7 and 8 gauges 0 90
5 and 6 gauges 1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
11 and smaller gauge 1 15
9 and 10 gauges 1 40
7 and 8 gauges 1 65
5 and 6 gauges 1 90

Anvils.
Per lb. 10 0 12½
Anvil and Vice combined, each, 4 50
Wilkinson & Co.'s Anvils, lb. 09 0 09½
Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
Gilmour's, discount 65 p.c. off revised list.
Hollow Stearn's, per dozen 13 00 20 00
Adjustable Stearn's, each 4 50 6 50
Post-hole, Vaughan's, each 60 90
Excelsior, Jennings', discount 50 per cent.

Awls.
Sewing, per gross 0 65 1 59
Pegging, " 0 65 1 25
Brad, " 0 85 1 60
" handled, per gross 3 30 30
Saddler's, per gross 0 45 1 60

Awl Hafts.
Patent Peg, per gross, } 7 25 8 00
Sewing, per gross, }

Awl and Tool Sets.
Millar's Falls, per doz. 2 80 3 30

AXES.
Splitting Axes, 5 25 5 50
Chopping Axes—
Single List, per doz. 6 00 12 00
Double List, " 11 00 18 00

Axle Grease.
Per gross 6 00 13 00

Bath Tubs.
Zinc, discount, 3 90 4 00
Copper, discount, 40 and 10 p.c. off revised list.
Steel clad, 20 per cent. discount off revised list

Boxing extra
Bells.
Hand.
Brass, 60 per cent.
Nickel, 55 per cent.

Door.
Gongs Sargent's, 5 50 8 00
" Peterboro', discount 50 per cent.
Cow.

American make, discount 66½ per cent.
Canadian, discount 45 and 50 per cent.
Farm.

American, each 1 25 3 00
House. 0 35 0 40

Bellows.
Hand, per doz. 3 35 4 75
Moulders, per doz. 7 50 10 00
Blacksmiths', discount 60 per cent.

Belting.
Extra, 45 per cent.
Standard, 45 and 10 per cent.
Agricultural, 65 and 5 p.c.

Bench Stops.
Per doz. 5 00 6 00

Bits.
Auger.
Gilmour's, discount 65 and 5 per cent.
Excelsior, discount 60 per cent.
Rockford Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list to 5 p.c. discount.

Car.
Gilmour's, 47½ to 50 per cent.
Expansive.
Clark's 40 per cent.
Excelsior, 10 per cent.
Gimlet.
Clark's, per doz. 0 65 0 90
Diamond, Shell, per doz. 1 00 1 50
Nail and Spike per gross 2 25 5 20

Blind Rollers.
Annex, per doz. 1 25 1 75
Mascott, " 1 35 1 85
Erminie, " 1 00 0 00

Blind and Bed Staples.
All sizes, per lb. 7½ 0 12

Bolts.
Carriage, dis. 60 and 10 to 70 p.c.
Tire, dis. 70 and 5 per cent.
Stove dis., 70 per cent.
Elevator, dis., 35 to 40 per cent
Machine, dis., 70 p.c.
Coach Screws, dis. 70 and 10 p.c.
Plough bolts, 60 p.c.

Boring Machines.
Complete, with augers, each. 5 00 7 50

Braces.
Barbet's 6 00 7 75
Barbet's Ratchet 10 00 11 00
Farmers 2 00 2 75
Millar's Falls 15 50 29 00

Brackets.
Shelf.
Japanned Canadian, per doz. 0 50 3 40
pairs
Berlin Bronze Canadian 0 85 3 20

Broilers.
Light, dis. 65 to 67½ per cent.
Reversible, dis. 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.
Henis, No. 8, 6 00
Henis, No. 9, 7 00
Queen City " 7 50 0 00

Butchers' Cleavers.
German, per doz. 6 00 11 00
American, per doz. 12 00 20 00

Butts.
Brass.
Wrought Brass, dis., 17½ p.c. revised list.

Cast Iron.
Loose Pin, dis. 70 per cent.
Wrought Steel.
Fast Joint, dis. 70, 10 and 5 to 75 p.c.
Loose Pins, dis. 70, 10 and 5 to 75 p.c.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Can Openers.
Acme, per gross 9 00 10 00
Sardine Scissors, per doz. 3 75 4 50

Card.
Horse, per doz. 0 60 1 00

Carpet Stretchers.
American, per doz. 1 00 50
Bullards, per doz. 6 50

Carpet Sweepers.
Bissell, per doz. 22 50
World, " 21 75
Daisy, " 24 00
Star " 18 00
Crown Jewel, per doz. 29 00
Grand Rapids, " 24 00 33 00

Cartridges.
(See Ammunition.)

Castors.
Bed new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
Nos. 31 and 32, per gross. 8 50 9 50

Cement.
Canadian, Portland, 2 50
English " 2 85
Belgium " 2 75
Canadian hydraulic 1 20
Figures are for barrel lots.

Chalk.
Carpenters Colored, per gross 0 45 0 75
White lump, per cwt. 0 60 0 65
Red " 0 05 0 06
Crayon, per gross 0 14 0 18

Chisels.
Socket, Framing and Firmer.
American, dis. 75 to 77½ per cent.
Canadian, dis. 50 and 10 per cent.
Tanged firmer, per doz. 0 85 4 00

Churns.
Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.
Steel, net. 3 00

Clamps.
Judd's, dis. 20 per cent.
Stearn's, per doz. 3 00 10 00

Clips.
Axle dis 65 per cent.

Closets.
Washout, plain 3 25
" embossed 3 50

Coffee Mills.
Box 3 60 13 00
Side 3 60 4 00
Enterprise, No. 0 1 35
" No. 2 70

Compasses, Dividers, Etc.
American, dis. 62½ to 65 per cent

Cradles, Grain.
Canadian dis. 20 per cent.
Dies.
Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
Torrey's Rod, per doz. (15 p.c.) 2 00
Coil, per doz. 0 88 1 60
English per doz. 2 00 4 00

Draw Knives.
American, dis. 70 and 10 per cent.
Canadian, dis. 25, 50 and 10 per cent.

Drills.
Hand and Breast
Millar Falls, per doz. 16 00 51 50
P. S. & W., dis. 40 per cent.

DRILL BIT.
" orse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
Stovepipe.
Per doz. 85 1 70

FAWCETS.
Cork Lined, per doz. 0 30 0 35
Wine, per doz. 1 30 3 25
Star, " 2 80 3 90
Fenn's Corkstops, No. 2, per dozen 1 70
Petroleum, per doz. 4 50 6 50

FILES AND RASPS.
Globe File Mfg. Co.'s dis., files and rasps, 60 and 10 to 70 per cent.
Toronto File Co.'s dis., files and rasps, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Heller's Horse Rasps, 50 to 50 and 5 per cent.
Jowitt's, English list, 25 to 27½ per cent.
American, 60 to 60 and 5 per cent.
Great Western, 60 and 10 per cent.
Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.

FLUTING MACHINES.
Each 0 60 2 00

FORKS.
Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS
Ice Cream.
Gem from \$1.25 to \$7 net.
White Mountain, 1 to 25 qt. 1 35 13 50
Arctic, dis. 50 p.c.

FRUIT PRESSES.
Henis', per doz. 3 25 3 50
Shepard's Queen City, dis. 15 per cent.

FRY PANS.
Acme, dis. 65 to 67½ per cent.

GAUGES.
Marking, Mortise, Etc.
Stanley's, dis. 50 to 55 per cent.
Wire Gauges.
Winn's, Nos. 26 to 33, each. 1 65 2 40

GLASS.
Window.
Box Price.

	Star.	Double Diamond.
	Per 50 ft.	Per 100 ft.
Under 25	1 45	2 75
26 to 40	1 55	3 05
41 to 50	3 45	5 00
51 to 60	3 75	5 70
61 to 70	4 05	6 55
71 to 80	4 45	7 10
81 to 85	5 00	8 10
86 to 90	9 30	10 70
91 to 95	10 70	12 75
96 to 100	14 25	16 50
101 to 105		
106 to 110		

GLUE POTS.
Tinned, each 0 30
Enamelled each. 0 55

GRINDSTONE FIXTURES
Per doz. 3 60 4 00

HAMMERS.
Nail
Maydole's, dis. 5 to 10 per cent. Can., dis. 25 to 27½ per cent.

Tack.
Magnetic per doz. 1 10 1 20

Sledge.
Canadian, per lb. 0 07½ 0 08½

Ball Pean.
English and Can., per lb. 0 22 0 25

HANDLES.
Axe, per doz., net. 1 50 2 00
Store door, per doz. 1 00 1 50
Chest, per doz. pairs. 0 40 2 50

Chisel.
Firmer, per gross 3 00 4 50
Socket Firmer, per gross 3 25 8 00
Socket Framing, per gross. 3 75 5 00

Fork.
C. & B., dis. 45 per cent. rev. list.

Hoe.
C. & B., dis. 45 per cent. rev. list.

Saw.
American, per doz. 1 00 1 25

Plane.
American, per gross. 3 15 3 75
Hammer and Hatchet.

Canadian, 45 per cent.
Cross-Cut Saw.
Canadian, per pair. 0 13½ 0 20

HANGERS.
Door, 4 and 5 inch, per pair. 0 40 0 50
Lanes, 62½ per cent.

HATCHETS.
Canadian, dis. 40 to 42½ per cent

HINGES.
Blind, Parker's, dis. 60 and 10 to 65 per cent.
" Shepard's Noselless, dis. 60 per cent.
" Buffalo, dis. 60 to 70 p.c.

Light T and strap, 70 and 10 p.c.
Heavy, per lb. 0 03½ 0 04½
Screw hook and hinge—
6 to 12 in., per 100 lbs. 3 15
14 in. up, per 100 lbs. 2 35

Per doz. set.
Screw Eureka. 1 13 1 80
Gate, Clark's 1 50 2 20
" Shepard's, dis. 50 to 60 per cent.

Per gro. pair.
Spring. 9 50
" Shepard's Samson. 1 20

HOES.
Garden, Mortar, etc., dis. 60, 10 and 5 p.c.
Planter, per doz. 4 00 4 50

HOOKS.
Cast Iron.

Bird Cage, per doz. 0 50 1 10
Clothes Line, per doz. 0 27 0 63
Harness, per doz. 0 72 0 88
Hat and Coat, per gross. 1 00 3 00
Chandelier, per doz. 0 50 1 00

Wrought Iron.
Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
Hat and coat, dis. 60 to 60 and 10 p.c.
Belt, per 1,000. 0 60 70
Screw, bright, Eng., dis. 60 per cent.

HORSE NAILS.
" P. B.", dis. 50 p.c.
" C" brand, 50 p.c. dis.
" M" brand 50 p.c.
Acadian, 50 and 20 per cent.

HORSE SHOES.
Light and medium pattern per keg 3 25
Snow Shoes. 3 50
Steel Shoes, light 3 50
" extra light, Nos. 5 00
0, 1, 2, 3, 4, 5. 4 25
Steel Shoes, Nos. 3, 4, 5. 4 75
" assorted, 0 to 5. 4 75
All f.o.b. Montreal; Toronto 10c. more.

ICE PICKS.
Star per doz. 3 00 3 25

KETTLES.
Brass spun, 7½ p.c. dis. off new list.
Copper, per lb. 0 30 35
American, 60 and 10 to 65 and 5 p.c.

KEYS.
Lock Can., dis. 50 p.c.
Cabinet, trunk, and padlock, Am. per gross. 1 60

KNOBS.
Door, japanned and N.P., per doz. 0 90
Bronze, Berlin, per doz. 2 75 3 25
Bronze Genuine, " 6 00 9 00
Shutter, porcelain, F. & L. screw per gross. 1 30 4 00

KNIVES.
Claus, bread, cake, and paring knives, \$7.00 doz sets net. to 10 per cent.
Christie, \$7.00 net.
Hay knives, spear point, L or T handle, 60 and 5 per cent.
Lightning, per doz. 6 50 8 40
Heath's, \$7.75 net.

LADLES.
Melting, per doz. 1 70 4 50

LEMON SQUEEZERS.
Porcelain lined, per doz. 2 20 5 60
Galvanized, " 1 87 3 85
King, wood, " 2 75 2 90
" glass, " 4 00 4 50
All glass " 1 20 1 30

LINES.
ish, per gross. 1 05 2 50
Chalk. " 1 90 7 40

LOCKS.			PULLEYS.			SCREWS.			Leather carpet tacks		
Canadian, dis. 50 p.c.			Hothouse, per doz.	0 55	1 00	Wood, F. H., iron, and steel, dis. 87½ &			Trunk nails, black and tinned	70	
Russell & Erwin, per doz.	1 75	7 50	Axle	0 22	0 33	10 p.c.			Clout nails	66½	
Cabinet,			Screw	0 27	1 00	Wood, R. H., " dis. 80 and 10 p.c.			Cigar box nails	45	
Eagle, dis. 30 p.c.			Awning.	0 35	2 50	F. H., brass, dis. 82½ and 10 p.c.			Lining nails in papers	10	
Padlock.			PUMPS.			R. H., " dis. 75 and 10 p.c.			" in bulk	15	
English and Am., per doz.	0 50	6 00	Canadian cistern	1 40	2 25	Drive Screws, 87½ and 10 per cent.			" solid heads, in bulk	60	
Scandinavian, " per doz.	1 00	2 40	Canadian pitcher spout.	1 15	2 00	Bench, wood, per doz.	3 25	4 00	Saddle nails in papers	10	
Eagle, dis. 15 to 17½ p.c.			PUNCHES.			iron,	4 25	5 75	" in bulk	15	
MACHINE SCREWS.			Saddlers, per doz.	1 00	1 85	SCYTHES.			Tinned capped trunk nails	15	
Iron and Brass.			Conductors, "	9 00	15 00	Discount, 60, 10 and 5 p.c. revised list.			Double pointed tacks, discount 90 p.c.	15	
Flat head, discount 25 p.c.			Tinners' solid, per set.	0 00	0 72	SCYTHE SNATHS.			TAPE LINES.		
Round Head, discount 20 p.c.			" hollow, per inch.	0 00	1 00	Canadian, dis. 45 to 50 p.c.			English, ass skin, per doz.	2 75	5 00
MAGNOLIA METAL, ETC.			RAIL.			SHEARS.			English, Patent Leather	5 50	9 75
Magnolia Anti-Friction Metal, per lb.	25		Barn door, per foot.	0 02½	0 02½	B. & W., japanned, dis. 75 p.c.			Chesterman's, each	0 80	2 85
No Name Metal.	15		Sliding door, "	0 03½	0 03½	B. & W., N.P., dis. 65 p.c.			steel, each	0 80	8 00
Mystic Metal.	10		Lanes,	0 02½	0 02½	Seymour's, dis. 60 p.c.			THERMOMETERS.		
F. O. B. New York or Chicago.			RAKES.			Etna, dis. 75 to 75 and 10 p.c.			Tin case and dairy, dis. 75 to 75 and 10 p.c.		
MALLETS.			Cast steel and malleable Canadian, list dis.			Heinisch, dis. 60 p.c.			THIMBLES.		
Tinsmiths', per doz.	1 25	1 50	60 to 10, 10 and 5 p.c. revised list.			Bristol, japanned, 80 p.c.			Asbestos, filled, per doz., 35 to 40 p.c.		
Carpenters', hickory, per doz.	1 25	3 75	Wood, 25 per cent.			N.P., dis. 70 p.c.			TIES.		
Lignum Vitae, per doz.	3 85	5 00	RAZORS.			Clauss, full nickel, 60 p.c.			Cow, per doz.	1 25	2
Caulking, each	1 60	2 00	Geo. Butler & Co.'s, per doz.	8 00	18 00	japanned handles, 67½ p.c. off.			TINNERS' TOOLS.		
MATTOCKS.			Bokers's,	7 50	11 00	Seymour or Heinisch tailor shears, 15 p.c.			P. S. & W., 10 p.c.		
Canadian, per doz.	8 50	10 00	Wade & Butcher's,	3 60	10 00	SHEAVES.			Canadian, 35 to 37½ per cent.		
American, 60 and 10 p.c. off list.			Arbenz's,	9 00	18 00	Sliding door, per set.	0 77	1 40	TINWARE.		
MEAT CUTTERS.			Theile & Quack's	7 00	12 00	SHOVELS AND SPADES.			Japanned, prices on application.		
American, dis. 30 to 32½ p.c.			RAZOR STROPS.			Canadian, dis. 40 and 10 to 45 and 2½ p.c.			Pieced, prices on application.		
German, 15 per cent.			Currier's, per doz.	1 25	3 60	SIEVES.			TOE CALKS.		
MINCING KNIVES.			RIVETS AND BURS.			Wood rim, black, per doz.	1 05	1 10	Blunt Calks, per box	1 00	
American, per doz.	0 42	2 35	Carriage, Section, Wagon Box Rivets, etc.,			" tinned,	1 25	1 35	Sharp Calks,	1 25	
MOLASSES GATES.			Carriage, Section, Wagon Box Rivets, etc.,			Tin rim, per doz.	2 30	2 45	TRANSOM LIFTERS.		
Stebbin's Patent, dis. per cent., 77½ per cent			(Norway Iron), 60 p.c.			" black,	1 85	2 25	Payson's, per doz.	2 60	
NAILS.			Black M. Rivets (Steel), 65 p.c.			SNAPS.			TRAPS. (Steel.)		
Cut Nails (Iron). Quotations are:			Black and Tinned Rivets, 60 and 5 to 65 and 5			Harness, German, dis. 35 to 37½ p.c.			Game, Newhouse, dis. 40 p.c.		
24. and 34f.	\$2 85		p.c.			Acme	3 00	5 00	Game, H. & N., P. S. & W., 65 p.c.		
31.	2 50		Copper Rivets & Burs, 50 p.c. dis.			Lock, Andrews	4 50	11 50	Game, steel, 72½, 75 p.c.		
4 and 5d.	2 25		" ½ lb. boxes and			SOLDERING IRONS.			Mouse, per doz.	0 35	1 50
6 and 7d.	2 15		cartoons, 1c. per lb. extra, net.			Per lb.	0 25		Rat, per doz.	1 40	6 50
8 and 9d.	2 00		Burs, iron or steel, 55 and 5 per cent.			WROUGHT SPIKES.			TROWELS.		
10 and 12d.	1 95		Terms, 4 mos. or 3 per cent. cash 30 days.			Discount, 35 to 40 per cent.			Diston's, discount 10 per cent.		
16 and 20d.	1 95		RIVET SETS.			SPOKE SHAVES.			German, per doz.	4 75	6 00
30, 40, 50 and 60d. (base).	1 85		Canadian, dis. 35 to 37½ per cent.			Wood, English	1 80	5 00	Brade's	5 00	10 50
Cut Nails (Steel). Add 10c. to the prices in			ROPE, ETC.			Iron, American	1 35	2 35	S. & D., discount 35 per cent.		
list for iron nails.			Sisal.			SPOONS AND FORKS.			TRIERS.		
Wire Nails, basis, \$1.85, Toronto.			7-16 in. and larger, per lb.	11½		Tea spoons, per gross	7 50	12 00	Butter, per doz.	6 25	9 00
Brads and finishing nails, special sizes, 80			¾ in.	13½		Dessert,	21 00	00 00	TWINES.		
p.c. from new list.			¾ and 5-16 in.	12½		Table,	30 00	30 00	Bag, Russian, per lb.	0 50	0 60
NAIL PULLERS.			Cotton	13		Desert Forks,	24 00	00 00	Wrapping, mottled, per pack.	0 50	0 60
German and American	1 85	3 50	Russia Deep Sea	14½		Medium	27 00	00 00	Wrapping, cotton, per lb.	0 17	0 18
NAIL SETS.			Lath Yarn	6½	7½	Table	36 00	00 00	Matress, per lb.	0 33	0 45
Square, round, and octagon,			RULES.			SQUARES.			Staging,	0 27	0 35
per gross	3 38	4 00	Boxwood, dis. 80 and 10, to 80 and 12½ p.c.			Iron, per doz.	1 65	2 90	Broom,	0 30	0 55
Diamond	12 00	15 00	Ivory, dis. 37½ to 40 p.c.			Steel, dis. 70 per cent., revised list.			VISES.		
NETTING.			SAD IRONS.			Try and bevel, dis. 50 to 52½ p.c.			Hand, per doz.	4 00	6 00
Poultry, 67½ per cent. for imported,			Mrs. Potts, per set.	0 62½	1 00	Fence, galvanized	2 25	2 50	Bench, parallel, each	2 00	4 50
55 per cent. for McMullen's.			N.P., per set.	90		Wrought iron, dis. 80 to 82½ p.c.			Coach, each	6 00	7 00
OIL.			SAD HEATERS.			STAPLES.			Peter Wright's, per b.	0 12	0 13
Canada refined oil (Toronto).	0 14		Dome, Shepard's, per doz.	4 75	5 00	American, dis. 25 p.c.			Pipe, each	5 50	9 00
Carbon safety	0 16½		SAND AND EMERY PAPER.			STONE.			Saw, per doz.	6 50	
American w. w.	0 17½		Dominion Flint Paper, 47½ per cent.			Washita, per lb.	0 28	0 60	WASHER CUTTERS.		
Pratt's Astral.	0 17		B. & A. sand, 40 and 2½ per cent.			Hindustan,	0 06	0 07	Per doz.	4 00	
OILERS.			Emery, 40 per cent.			" slips, per lb.	0 09	0 09	Washers "Iron," 40 per cent., 4 months		
McClary's Model galvan. oil			SASH CORD.			Labrador,	0 13		per cent.		
can, with pump, 5 gal.			Per lb.	20	50	Axe,	0 15		WELL WHEELS.		
per doz.	0 00	9 00	SASH LOCKS.			Turkey	0 50		Amer., per doz., 8, 10 and 12		
Zinc and tin, dis. 50, 50 and 10.			Triumph and Morris, dis. 37½, 40 per cent.			Arkansas	0 00	1 50	inch.	3 38	
Copper, per doz.	1 25	3 50	Kempshell's, dis. 40, 62½ per cent.			Water-of-Ayr	0 00	0 10	WIRE.		
Brass,	1 50	3 50	Canadian, dis. 45, 50 per cent.			Scythe, per gross.	3 50	5 00	Bright Wire, dis. 65 per cent.		
Malleable, dis. 25 per cent.			SASH WEIGHTS.			Grind. per ton.	15 00	18 00	Brass Wire, 16 to 25 wire gauge, 12½ p.c.		
PAIS.			Sectional, per 100 lbs.	1 40	1 75	Stove Polish.			Copper Wire, 12½ p.c.		
Galvanized, per doz.	1 85	3 00	Solid,		1 25	Stove Polish.			Annealed, annealed and oiled, 35 per cent.		
PENCILS.			SAWS.			Stove Polish.			galvanized, 30 per cent.		
Dixon's, per gross.	1 00	4 25	Crosscut, McMillan & Haynes,	0 40	0 70	Stove Polish.			[In lots of 1,000 lbs., 35 per cent. discount,		
" Carpenter.	2 25	3 60	"Empire," McMillan & Haynes,	0 00	0 70	Stove Polish.			annealed oiled, and annealed and gal-		
PICKS.			per ft.	0 00	0 70	Stove Polish.			vvanized, freight will be prepaid when not		
Per doz.	6 00	9 00	Hand, Disston's, dis. 12½ to 15 p.c.			Stove Polish.			exceeding minimum rate of 20c. per 100		
PICTURE NAILS.			S. & D., 40 to 40 and 10 per cent.			Stove Polish.			lbs.]		
Porcelain head, per gross.	1 40	3 00	Crosscut, Disston's, per ft.	0 35	0 55	Stove Polish.			Bright, coppered steel and spring, 33½ p.c.		
Brass head,	0 40	1 00	S. & D., dis. 35 p.c. on Nos. 2 and 3.			Stove Polish.			revised list, f.o.b. Montreal, Toronto or		
PIPE CUTTING MACHINERY			Hack, complete, each.	0 75	2 75	Stove Polish.			Hamilton.		
Forbes Patent Die Stocks.—Curtis & Curtis			frame only.	0 00	0 75	Stove Polish.			Broom Wire, per lb.	0 05½	0 06
Mfrs., Bridgeport, Conn.			SAW SETS.			Stove Polish.			Clothes Line Wire, 19 gauge,	2 75	3 00
No. 30 Hand Machine, range ¼ to			"Lincoln," McMillan &	6 00	7 50	Stove Polish.			per 1,000 feet.		
2 in. R. & L.	\$50 00		Haynes, per doz.	5 63	7 00	Stove Polish.			WIRE FENCING.		
No. 38 Hand Machine, range 1½	100 00		Whiting			Stove Polish.			F.O.B. From		
to 4.			SCALES			Stove Polish.			Cleveland Stock		
No. 56 Hand Machine, range 2½	175 00		Gurney Scales, 50 p.c.			Stove Polish.			Galvanized, 2 barb, 2½ and 5		
to 6.			B. S. & M. Scales, 50 p.c.			Stove Polish.			inches apart.	1 80	2 00
PLANES.			Champion 60 per cent			Stove Polish.			Galvanized, 4 barb, 4 and 6		
Wood, bench, Canadian dis. 55 per cent.			SCRAPERS			Stove Polish.			inches apart	1 80	2 00
American dis. 55.			Box, per doz.	2 10	4 50	Stove Polish.			Galvanized, plain twist, all.		
Wood, fancy Canadian or American, 37½			Boot,	0 40	3 50	Stove Polish.			delyd.		
to 40 per cent.			SCREENS.			Stove Polish.			Plain twist.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.			Window, patent, per doz.	7 00	10 00	Stove Polish.			Terms, 60 days, or 2 per cent. in 10 days		
Miscellaneous, dis. 25 to 27½ per cent.			Door, per doz.	2 20	3 00	Stove Polish.			WIRE CLOTH.		
Bailey's Victor, 25 per cent.			SCREW DRIVERS.			Stove Polish.			Painted Screen, per 100 sq. ft.	1 20	
PLANE IRONS.			Sargent's per doz.	0 65	4 00	Stove Polish.			Terms 4 months or 3 per cent. 30 days.		
English, per doz.	2 00	5 00	SAWS.			Stove Polish.			WRENCHES.		
PLIERS AND NIPPERS.			Crosscut, McMillan & Haynes,	0 40	0 70	Stove Polish.			Acme, 35 to 37½ per cent.		
Button's Genuine, per doz. pairs, dis. 37½			"Empire," McMillan & Haynes,	0 00		Stove Polish.			Agricultural, 70, 10 and 5 to 75 p.c.		
40 p.c.			per ft.	0 00	0 70	Stove Polish.			Standard, dis. 60, 60 and 10 per cent		
Button's Imitation, per doz.	5 00	9 00	Hand, Disston's, dis. 12½ to 15 p.c.			Stove Polish.			Coe's Genuine, dis. 30 to 32½ p.c.		
German, per doz.	0 60	2 60	S. & D., 40 to 40 and 10 per cent.			Stove Polish.			Diamond, dis. 33½ to 35 per cent.		
PLUMBS AND LEVELS.			Crosscut, Disston's, per ft.	0 35	0 55	Stove Polish.			Towers Engineer, each	2 00	7 00
S.R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.			S. & D., dis. 35 p.c. on Nos. 2 and 3.			Stove Polish.			" S. per doz	5 80	6 00
POPPERS.			Hack, complete, each.	0 75	2 75	Stove Polish.			G. & K.'s Pipe, per doz	3 40	
Corn, square, per doz.	1 35	2 00	frame only.	0 00	0 75	Stove Polish.			Burrell's Pipe, each	3 00	
PRUNING SHEARS.			SAW SETS.			Stove Polish.			Pocket, per doz	25	2 00
Per doz.	4 00	5 50	"Lincoln," McMillan &	6 00	7 50	Stove Polish.					
			Whiting	5 63	7 00	Stove Polish.					

No. 4-3 dozen in case.	\$4 50
No. 6-3 dozen in case.	7 50
TACKS, BRADS, ETC.	
Cheese-box tacks, blue, 80 p.c.	
Trunk tacks, black, 80 p.c.	
tinned, 80 p.c.	
B.B.B. iron carpet, blued.	80
B.B.B. iron carpet, bright or blued (in kegs)	80
B.B.B. iron carpet, tinned (in kegs).	45
B.B.B. cut tacks (in bulk), 75 and 10	
¾ weights, 80 p.c.	40
Swedes, cut tacks, genuine, blued and	
tinned, 75 and 10	
Swedes, upholsterers	80
Swedes, carpet, blued and tinned	70
" lace	75
" brush	50
" gimps, blued, tinned & japan'd	
Zinc tacks.	35
Copper tacks.	62½

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In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays

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THE STAR HACK SAW

Has a file temper, and one 5-cent blade will do more work than \$1 worth of files. It will cut off an inch square bar of steel 100 times without filing.

THE STAR BUTCHER SAW

Will cut four times as long without filing as any other kind in use. It will cut off a half-inch rod of iron 30 times.

THE STAR BRACKET SAW

Is taking the place of all other kinds.

None of these Star Saws are to be filed, as the price is less than the cost of filing. They are taking the place of all other saws as fast as they become known.

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We also make a Power Hack Saw which may be found in most machine shops and iron working establishments, and should be found in all.

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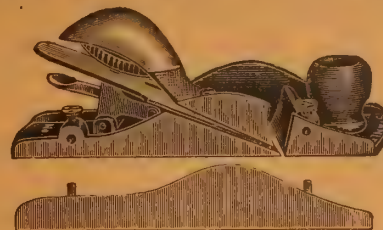
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STANLEY'S RABBIT AND BLOCK PLANE.



A detachable side will easily change this Tool from a Block Plane to a Rabbit Plane, or vice versa. The cutter is set on a skew.

No. 140. Rabbit and Block Plane, with detachable side,
7 inches in length, 1 3/4 inch cutter\$1 25



Feather Dusters

have advanced one hundred per cent. in the last three months. All quotations withdrawn.

We carry a full line of all kinds.

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Have you tried the Woven Down Duster?

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READY FOR USE DRY.

NO MIXING REQUIRED.

The only safe way to use a strong poison.

Worth its cost as a Fertilizer.

Does not injure the vines.

300 pounds net in every barrel. Price, f.o.b. Paris,
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Black Diamond File Works

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HAVE YOU TRIED IT?

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BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
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Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

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PAINTS in stock, aren't you? You are! Well,
that's all right then. I was just going to say your customers
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CANADIAN

HARDWARE

AND METAL
MERCHANT

VOL. X

MONTREAL AND TORONTO, JULY 9, 1898

No. 28



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*Best Anti-Friction Metal for
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GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
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the words "Manufactured
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each bar.



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obtain any of the standard sizes out of stock from
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for Radiators. Eleven years of progress mark its supremacy—its achievements. It has withstood the unequalled test of time.

Reasons: No bolts, rods or packing. Light, durable, perfect finish of castings. Stand a pressure of 140 pounds to the square inch. Free, positive, quick circulation of heat. Fit curves, circles, angles. You can't buy better than the "best" there is or can be.

There is an old saying, but a good one:
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and **can't** leak.

It is the result of progressive action on the part of
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It is the **original** invention in pipe-threaded connections

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FREE BOOK ALL
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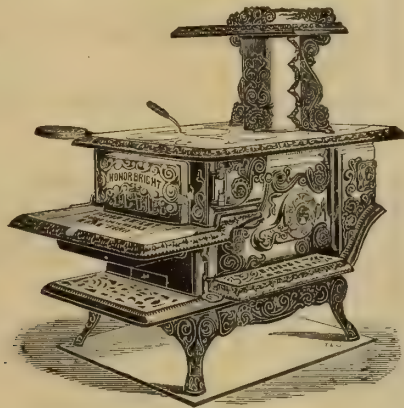
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- Heavy.
- Massive.
- Substantial.
- Durable.
- Extra Large Oven and Firebox.



Fitted with Patent Illuminated Oven Door, Corrugated Oven Bottom, and all modern features of Cook Stove construction.

If you have not handled this Stove, it will be to your advantage to secure samples, and arrange for the exclusive sale in your locality.

The William Buck Stove Co., Limited

Manufacturers of the celebrated
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It stands to reason that Hose made with a

SEAMLESS TUBE

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WHY? Because the inner tube is equally strong at all points, there being no joint for the water to find its way through.

All our brands of hose have our
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"Star," "Maroon," "White,"
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OTHER TOOLS ARE VERY GOOD TOOLS, BUT

"YANKEE" TOOLS ARE BETTER



SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

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CAVERHILL, LEARMONT & CO.	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	"
RICE LEWIS & SON, Limited	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	LONDON

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North Bros. Mfg. Co.
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Established 1825.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinisch's Sons Co. vs. Hermann Boker & Co:

"The complainant (R. Heinisch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinisch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinisch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorn & Co., St. John, N. B., and others.

COLDBROOK IRON AND STEEL CO.

Limited

Manufacturers of
all kinds of**BAR IRON.**

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Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

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We are
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Hardware Cutlery, etc.

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The fibre is long
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HARDWARE MANILLA
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The paper stands
wear and tear

FAIRBANKS STANDARD SCALES

Railroad Track, Hay, Hopper, Grocer and Counter Scales, embodying many late improvements, as well as the same high quality which has made them the World's Standard Scales.



SPECIAL SCALES for all purposes made to order.

All scales made in conformation with Canadian requirements, and shipped, inspected, from Montreal.

The cheapest scales per year of service.

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in order to give better attention to their Canadian customers have opened a new warehouse at

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Where they will constantly keep on hand an extensive stock of **Fairbanks Standard Scales, Fairbanks Asbestos Disk Valves, Asbestos Packed Cocks, Store and Warehouse Trucks, Portable Forges, Factory and Mill Supplies.**

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CLOSETS--SEATS, TANKS, ETC.

BOILERS--GALVANIZED AND COPPER.

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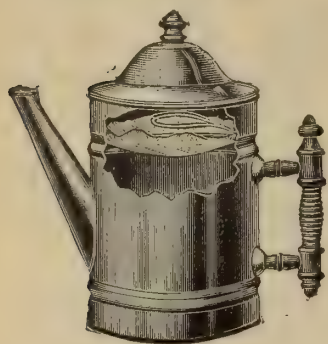
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164 Fenchurch Street, London, E.C.

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ESTABLISHED 1860

INCORPORATED 1895



The "Eleanor Kirk"

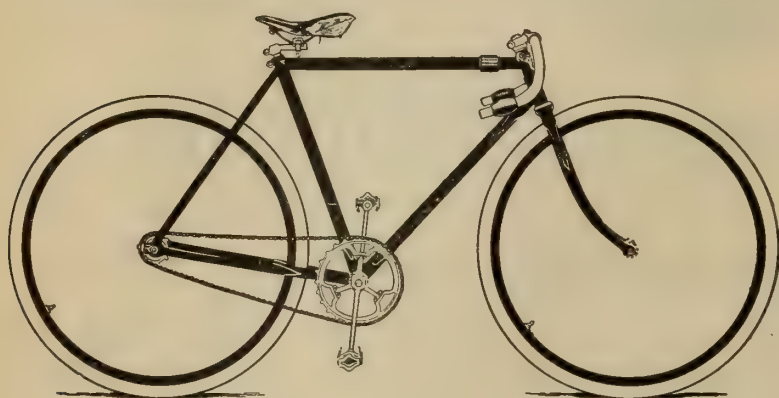
A good Article at a Low Price.

-:: Coffee Pot

Made of Heavy Tin, nickle plated, saves all the aroma food and stimulant, construction is very simple, the filter can be renewed for $\frac{1}{4}$ of a cent.

Write for Prices.

THE THOS. DAVIDSON MFG. CO., LIMITED, MONTREAL



RAMBLER BICYCLE, MODEL 26.

BERTRAM, WILSON & CO.

IRON, STEEL and HEAVY HARDWARE,
LUMBERING, MINING and RAILROAD-
ING SUPPLIES, PICKS, SHOVELS,
CROWBARS, AXES, SAWS and FILES,
NAILS, SPIKES and BOLTS.

Agents for

Gormully & Jeffery
Mfg. Co., CHICAGO.

53 YONCE ST.

...Rambler Bicycles.

Kemp's Blue Flame Oil Stoves

ARE NOT AN EXPERIMENT.

Satisfied Users Testify to their Excellence.

(COPY)

HALIFAX, N.S., May 18th, 1898.

DEAR SIRs,—I have had one of your "Blue Flame" Coal Oil Stoves in daily use for over a month, in the Cooking School here, and can testify to its many excellencies. The construction is so simple that the children have no difficulty in managing it. There is absolutely no odor from the burning oil, and no waste. The oven can be perfectly heated in ten minutes, and then will cook everything that can be cooked in a coal range oven; bread, meat, cakes and pastry. The heat is so steady, that, while things cook thoroughly, there is no danger of burning. There being no attachments, as in a gas stove, the coal oil stoves can be moved at pleasure, and are so neat they might stand in any room.

I am, Yours very truly,

(Signed) HELEN N. BELL,

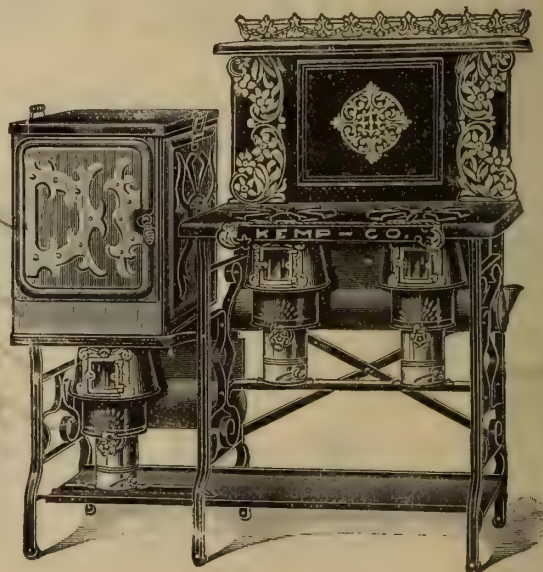
Principal, School of Cookery, Halifax.

To A. M. BELL & Co., Halifax, N.S.

Agents for "Kemp's Blue Flame" Oil Cooking Stoves for Halifax.

Are you ready for the trade in this line?

ALL SIZES AND STYLES IN STOCK.
WICKLESS STOVES SUPPLIED IN 2 AND 3 BURNER.



KEMP MANUFACTURING CO. - Toronto



HARDWARE AND METAL

Vol. X.

MONTREAL AND TORONTO, JULY 9, 1898

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Montreal. Treasurer,
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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

PLUMBING, A SCIENCE.

HAD anyone, a decade or two ago, intimated that science and plumbing were practically interchangeable terms, he would have been laughed at by most men. To-day, the man who would assert to the contrary, would find there were very few who would not laugh at him.

Plumbing and science are to-day closely related, and they are becoming more so every day. The medical man, the architect, the plumber, all recognize that plumbing is a science. And, at the conventions which these three hold from time to time in various parts of the world, papers dealing

scientifically with plumbing are regularly read.

A botch plumber is as great a danger to the public health as a botch physician, yes, and more so, for the plumber who does bad work is capable of killing his thousands against the doctor's hundreds. The careless or incompetent physician can only work upon one subject at once; the careless or incompetent plumber can work upon a whole household at once.

It is within the power of the plumber to be the first imparting either health or sickness. Let him be conversant with the principles of sanitary plumbing, and put the knowledge he thus has into his work, and he becomes a factor in warding off disease. On the other hand, let him be ignorant of the principles of sanitary plumbing, and his work must necessarily be defective, and a disseminator of disease.

The fact that the plumber who is a plumber is recognizing his responsibility, and is zealously striving to perfect himself in the science of sanitation, augurs well. But, it is to the interest of the plumber to assist in educating the public, as well as himself, in the principles of this science, for the more the public realizes how much its health depends on good plumbing the more will it demand good plumbing, the result of which will be to the financial advantage of the master plumber.

Thus, by interesting himself in sanitary science, the master plumber is not only guarding the public health, but he is also increasing the earning power of his own business.

PLUMBERS WORKING FOR A COMMON GOOD.

THE National Association of Master Plumbers of the Dominion of Canada has just passed its second birthday, and those who are responsible for its existence have no reason to feel ashamed of their progeny. For a two-year old it is decidedly precocious and decidedly healthy. It has evidently a long life before it, which can only be thwarted by unwise action on the part of its members.

During the two years which the National organization has been in existence, progress has been made along several lines which have been decidedly helpful to the plumbing and heating trade.

In business, in science or in art, where there is not a personal acquaintance among those engaged therein, competition, as a rule, breeds bad feeling, with the result that, instead of the members of a given science, business or art, working together for a common good, their efforts are of a contrary nature.

Those engaged in the plumbing and heating trades were no exception to this rule. What was once the rule, however, is now becoming the exception. The master plumbers and heating men are now striving to work for a common good, and the national association is the chief instrument in bringing this about.

True, the millennium is not yet at hand, but that the plumbers' and steamfitters' chariot is rolling along in that direction at a fairly good clip is obvious to everyone who has been looking on during the past few years. The plumbers and heating men in the

cities and towns are getting better acquainted with each other, and the plumbers and heating men in the Dominion are getting better acquainted with each other, and the result is that there is less blood letting and more money getting.

May the good work go on !

Every time a plumber wipes a joint he is helping or hindering Nature to give people pure air.

"HARDWARE" AND PLUMBERS.

IN another part of this issue is printed the report of the annual convention of the National Association of Master Plumbers of Canada, held in Quebec June 29 to July 1.

HARDWARE AND METAL has gone to a great deal of trouble and expense in preparing the report, which is the most complete that will be published, a staff being present at the convention with that object in view. This is no new thing, however, for the reports of the proceedings of previous conventions of the National Association published in this paper have always exceeded in completeness those published by any of its contemporaries.

But the efforts of HARDWARE AND METAL have by no means been confined to reporting the proceedings of the annual convention. Each week, a part of the paper is set apart for the special purpose of printing news appertaining to the plumbing and heating trades.

Gradually, this department is growing in importance, until, to-day, HARDWARE AND METAL is practically the organ of the plumbing and heating trades.

One evidence of this is the eulogistic terms in which President Wright, at the recent convention, referred to it, and the earnestness with which he urged the members of the trade to subscribe for it. Then, still another evidence of it is to be seen in our advertising columns, where the announcements of the manufacturers and jobbers of plumbing and heating supplies are to be found.

HARDWARE AND METAL is determined to be still more worthy of the confidence which the plumbing and heating trades repose in it by devoting more attention than ever to these industries, and already arrangements have been made with this end in view.

TITE BARNACLES IN THE CIVIL SERVICE.

THE particular office of the Circumlocution Office, made famous by Dickens, was to know how not to know a thing. We have all been delighted by the inimitable manner in which, in "Little Dorrit," he derides it, but, while we are being thus amused, we forget that not one, but many Circumlocution Offices exist, even in Canada. They are a part of the Federal, they are a part of the Provincial governmental machinery.

Let any man, who is not acquainted with one or more of the chiefs, seek information of most of the departments of the Government and he will find this is a fact, and not a creation of the imagination.

Want to know anything and Tite Barnacles will flash fire at you, particularly if you press for the desired information. The idea of wanting to know, you know ! It is preposterous !

The Circumlocution Offices in Canada, unlike that depicted by Dickens, were not created by either Federal or Provincial Governments with the object of not knowing how to do a thing, but they succeed admirably, notwithstanding, in not knowing how to do a thing.

There are some men holding positions in the civil service in Canada who are all that can with reason be desired. They are courteous, know their business, and are prompt in supplying information when it is sought. But they are the exception and not the rule.

In the Canadian Circumlocution Offices we find among the Tite Barnacles two classes : One that is too impudent to furnish information, even if capable of doing so, and another that cannot furnish the information because he has not brains equal to the task of doing so.

The last thing in the world which the average civil service employe seems concerned about is the duties appertaining to the department in which he is employed. His first concern is himself, and his second is the party under whose auspices he got into office. He cares nothing about the interest of the people as reflected in his particular department. He probably never even thought of the matter. He is the

feudal lord ; the people are his vassals. In a commercial enterprise every employe from the head of each department to the boy, must have at least some concern for the interest of his employers if he is to retain his situation. He strives to inform himself so that he may be able to intelligently give customers information as to goods and he aims to be courteous.

This is the rule in the place of merchandise ; this is the exception in the place of Governmental Departments. But what belongs to the one belongs to the other. And that it does not is because in the carrying on of Government business principles seldom obtain.

Ministers are, as a rule, appointed to the charge of departments in accordance with political exigencies, not in accordance with the ethics of business, and the same rule applies to subordinates.

Supposing, for instance, that in some large business concern, from the chief of the departments down, the various positions were filled with men whose qualification was not the determining factor. There would obviously be but one result.

It is becoming more and more evident that the rules which apply to the management of a business must apply to the Government of the country. And these rules shall apply just as soon as the business men of the Dominion are sufficiently independent of party to demand their enforcement. Then, when "we want to know, you know," we shall not have to importune Tite Barnacles, and government will, at any rate, be for the people.

WILL BOLTS ADVANCE ?

While no change was made in the price of bolts at the meeting of the manufacturers held in Toronto this week, yet HARDWARE AND METAL is informed that the question has not been finally settled.

From what can be gathered, a majority of those present at the meeting in question favored an advance, but for some reason or other final action was deferred.

It seems that higher prices are probable. And, in view of this probability, it would be well for dealers to keep their stocks well assorted.

SHARP ADVANCE IN GLASS.

AS anticipated in these columns a week or two ago, a material advance in window glass has taken place, an increase of 25c. per 100 feet being noted for "Star," and 50c. per 100 feet for "double diamond."

This advance is largely a result of the conditions affecting the glass market in Europe. The manufacturers there have for some time been exceptionally busy, and now they are unwilling to accept orders for immediate delivery. Many of them are unwilling to quote any price whatever; those quoting ask an advance of four points.

There is another consideration which has "bulled" the market, that is, after August 1, the preferential rate of one-fourth of the duty will be abolished, and the full duty charged on all glass imported from Belgium and Germany.

The importation of window glass into Canada during the first five months of this year has been much heavier than the same in any preceding year. In this period, this year, \$135,039; in 1897, \$116,658; in 1896, \$102,117; in 1895, \$86,485. The increase during June and July will be even more marked, as the activity in Belgium and the extra rebate in the duty during July have delayed many shipments.

The price at present is much above that ruling during the past four years. Four years ago, first break in 100-ft. boxes sold at \$2.40; in 1895 it had declined to \$2.20; in 1896 and 1897 the price was steady at \$2.30, until August last year, when it advanced 20c. to \$2.50; in October 10c. and in December 15c. were added to the price, bringing it to \$2.75. This price has held good since December till now, when it goes up to \$3, making a total advance of 70c., or 30 per cent. since July last year.

Quotations are now as follows:

	Star, 50 feet, 100 ft.	Double, 100 ft.
Under 25 united inches..	\$1 60 \$3 00	\$4 50
26 x 40.....	1 75 3 30	4 85
41 x 50.....	3 70	5 50
51 x 60.....	4 00	6 25
61 x 70.....	4 30	7 30
71 x 80.....	4 70	7 85
81 x 85.....	5 25	8 85
86 x 90.....		10 30
91 x 95.....		11 70
96 x 100.....		13 75
101 x 105.....		15 70

In consequence of the refusal of the jobbers in Canada during the past year to book orders for import below a certain quantity, a great number of the smaller dealers did

not last winter place import orders for glass. The advance in price will, therefore, be felt keenly by them, for they will be placed at a disadvantage in competing with their more fortunate confreres.

While all the wholesalers have advanced their prices, some of them, the minority, of course, are of opinion that the figures now ruling are higher than they should be, as it will, it is alleged, enable some of the retail dealers who imported good quantities to undersell them.

STOVES ADVANCED IN PRICE.

STOVES are dearer, an advance of 5 per cent. in price having taken place. The change went into effect on Thursday 7th inst., and dealers who placed orders even on that day will be compelled to pay the higher figures.

This is the first advance in the price of stoves which has taken place for several years, and is due to several causes.

The demand, for one thing, has this year exceeded the ability of the manufacturers to supply promptly. Foundries are being run overtime, but in spite of this stocks at the factories continue to diminish.

Dearer raw material and labor are also factors in the advancing of the price of the manufactured article.

The change applies to all descriptions of stoves, except oil and gas stoves, and was decided upon at a meeting of the manufacturers, held in Hamilton on Thursday.

COPPER RIVETS AGAIN ADVANCE.

Still another advance is to be noted in copper rivets and burrs, the third or fourth within a couple of months.

The discount to the retail trade is now 45 per cent., making the appreciation from the price which ruled a few months ago over 28 per cent.

A change has also been made in section rivets in one-pound papers, the price being advanced half a cent. per pound.

In advancing their prices the manufacturers of copper rivets and burrs have been following the example of their confreres in the United States.

The selling agent of the manufacturers' association in the United States issued a revised list on July 1, which subjects rivets and burrs to a discount of 50 per cent., while the terms are 60 days or 2 per cent. discount for cash, 10 days, with freight allowance of 2c. per pound on the net weight of goods f.o.b. factory.

DROPS FROM THE EDITOR'S PEN.

Be in love with the work you wed if you would win in it.

Do not put on airs in business. They blow away trade.

Lazy people are more tired than even people who work laboriously.

Unlucky is he who pins his faith in luck and not in his own energies.

The time to stop advertising is when the merchant stops doing business.

It is not going as you please, but going as you ought to go that wins in business.

As a man's character is so is his face. As a merchant's window is so is his business.

The man who minds his own business has not time for worrying about his competitors.

Pleasant manners corral many customers, but brusqueness causeth them to stampede.

The cash system turns some customers away, but they are the no-money customers.

The war between the United States and Spain is beginning to cost men as well as money.

If you do not keep your eye on your business your creditors will soon have their eyes upon you.

He who is habitually late to business is usually never a dangerous competitor in life's warfare.

Gas is all right for filling a balloon, but unsafe is it to depend upon for building up a business.

Protectionists and free traders alike are gratified when trade is free from the shackles of Hard Times.

Its no more dangerous to fool with a buzz-saw than it is to fool with bad and dishonest business methods.

When a business is not treated right all the logging chains in creation will not prevent it taking wings.

It is better to have common sense without a university education than a university education without common sense.

IT IS WELL HE FAILED.

THE financial collapse of young Mr. Leiter may be a bad thing for Mr. Leiter, but, as an object lesson, it is a good thing for the world.

Men who suddenly make millions by manipulating the markets usually lose them by the same methods they employed in making them. But, aside altogether from the question as to whether money thus made is retained or not by those who make it, the moral influence of such men as Leiter is bad.

When Mr. Leiter was in the height of his fame, when he was putting up the price of wheat, and making money faster than men could count it, there were, doubtless, thousands of young men whose ambition was to emulate him. And a great many of them are sorry young men to-day because they essayed to emulate him.

The best way, the surest way to get money is to work for it, whether it be in working for someone else or for yourself.

The value of money is commensurate with what it costs to obtain it. "Easy come, easy go," says a proverb. Leiter did not earn his money. It is only when money is earned that it is valued. The millions which Leiter possessed during the brief heyday of his fame were not worth as much to him as thousands are to many a man who has earned them by honest effort.

No, it is not the Leiters young men should emulate: It is the men who, by steady and intelligent application, by honest and persistent effort, have won success that are to be taken as examples. The one is the way of the gambler; the other is the way of the business man. The one leads to Ruin, the other to Success.

SIX MONTHS' FAILURES.

One of the things by which the financial condition of the business men of a country can be judged is the failure list.

A few days ago, Bradstreets issued a return giving the failures in Canada during the first six months of the present year, and, by the figures therein adduced, one can come to no other conclusion than that the financial condition of the business men in this country is at least improving.

The total number of failures were 813, against 1,074 during the same period of 1897. The assets were \$2,646,070, against

\$3,009,460, and the liabilities \$5,799,643, against \$7,618,643.

This means a decrease of 24.3 per cent. in the number of failures, and a decrease of nearly 24 per cent. in value of liabilities, while the proportion of assets to liabilities was 45.4, compared with 39.5 in 1897.

TWINE ADVANCING.

SCARCITY of binder twine is one of the features of the situation in Montreal, and, as the fact has been accentuated by a good enquiry, makers are asking a sharp advance to fill new orders.

No sisal twine is to be had at any price, while manilla, at the factory, is selling at 13½c. for pure, and 11 to 12½c. for mixed.

No change has occurred in rope, but a new factor of the situation is supplied by offers of New Zealand rope, which has been offered, delivered in Montreal, at 9¾c.

The margin between this figure and the cost of domestic manufactured cordage has led to the placing of some good orders for it.

GEM JARS AGAIN ADVANCE.

Another advance in gem jars is to be noted this week, making the second within the past fortnight.

The appreciation is one dollar per gross, which, together with that noted last week, makes a total gain of two dollars per gross.

Prices, per gross, to the retail trade are now as follows:

Wine measure: Pints, \$7.25; quarts, \$7.50; ½-gallons, \$9.50.

Imperial measure: Pints, \$7.75; quarts, \$8; ½-gallons, \$11.50.

In view of the large fruit crop, the demand for gem jars has, this season, been greater than usual. The factories are said to be practically cleaned out, and there are only a few holders.

DISPLAYING LIQUID PAINTS.

The dealer who exposes ready mixed colors, varnishes and japans, done up in tins, in a sun exposed window, is as silly as the druggist who dresses a hot window with cod liver oil emulsions, or the grocer who displays canned lobsters under the same circumstances. In each case the heat quickly sets up a rapid action, and deteriorates these delicate goods very quickly.

INTERESTING DECORATING ITEMS.

THE following pigments ground in oil will cover the amount of space named: 100 lb. white lead, ground in oil, and thinned with 6 gals. of oil, will cover 400 square yards; 100 lb. zinc white, ground in oil, and thinned with 10 gals. oil, will cover 550 square yards; 100 lb. dry ochre and 27 gals. oil will cover 800 square yards; 100 lb. Venetian red, dry, and 26 gals. of oil will cover 700 square yards; 100 lb. lamp black, dry, and 200 gals. of oil will cover 900 to 1,000 square yards; 100 lb. oxide of iron pigment and 25 gals. of oil will cover 800 square yards. The finer the pigment the more oil will it take up.

One gal. of "Diamond" graphite paint at the proper consistency for the brush will cover 800 square feet of new iron or 1,000 square feet on second coat. It is said to be the best known pigment for resisting heat, water, alkalis, acids or atmospheric influences.

One imperial gal. of shingle stain used as a dip should cover 100 square feet, two coats.

A half-pint of magnetic dryer to 1 gal. pure, raw linseed oil will dry on outside work over night.

BRITISH CEMENT HIGHER.

According to present indications fall importations of British cement will cost more money than those of the spring and summer months, unless the English market changes in the near future.

At any rate, this is the interpretation placed upon private cables received by Montreal importers this week, which note an advance of 6d. per cask on all English makes.

The news has not had any effect, as yet, on spot prices in Montreal, which continue the same.

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

BINDER TWINE SITUATION.

THERE has been a great deal of talk lately in regard to a possible shortage of binder twine. There may or there may not be a shortage, but, whatever may be the ultimate outcome, attempts are evidently being made to exaggerate the situation.

The Consumers Cordage Co. has, no doubt, not made more than a fractional part of its customary output, on account of the uncertainty as to the tariff. Indeed, the quantity it has this year turned out has scarcely been sufficient to make it a factor in the market.

But of binder twine of United States manufacture enormous quantities have been brought into Canada.

Stocks may be light in some parts of the country. They appear to be light in Montreal, but the quantity in retailers' hands is not light. An evidence of this is to be found in the fact that wholesalers have, within the past week, been offered binder twine by retailers who had purchased heavily. For some weeks too, retailers have been cutting prices, accepting figures, in many instances, a couple of cents per pound below what it would cost them to replenish their stocks to-day. From our exchanges we also learn that the farmers here made their purchases earlier than usual.

Then, during this week, twine has been offered on the Toronto market by United States manufacturers and by the Brantford factory, the former at 9½c. per lb., in car-load lots, for manilla, delivered, and the latter at 10½c. per lb.

If there is to be a famine in binder twine, as some would have us believe there is, it is evidently a long distance away.

THE LAST GREAT MONOPOLY.

THE STANDARD OIL CO. continues to extend its sphere of influence, having lately secured the control of several of the small independent petroleum concerns in Canada.

Negotiations have been concluded, and The Minhinnick Refining Co. and The Petrolea Crude Oil Co. are under the control of this gigantic concern for the next five years. The Standard Oil Co. has, it is said, refused to pay a lump sum for the

Another Practical Painter Speaks.

S.-W. P. has gained very many strong friends among the best painters throughout the country, and they are frank with their testimony in its favor.

Here are the words of a painter of more than twenty years' experience with paints of all kinds. He knows his business:

"I have been using your Prepared Paints for one year, and I am delighted with the results. I have been in the business for over twenty years, and could not get as good work out of lead and oil as I do now with your paint. I have not used any lead and oil since I commenced using your goods. When I paint my own house I shall use S.-W. P."

(Signed) W. L. FORD, Painter.

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers,

CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON

Walter H. Cottingham
Managing Director
Canadian Dept.

different properties, but a valuation is to be made and the price then decided upon.

Large additions to the works already established in Sarnia, and which cost between \$300,000 and \$400,000, will be made. Sarnia will then, it is claimed, be the headquarters of the coal oil industry in Canada, and will doubtless reap advantage thereby.

STRENGTHENING CAST IRON PIPES.

A NEW method of strengthening cast iron pipes by a winding of fine steel wire, invented by M. R. Jacquemart, manager of the Aubrives-Villerupt, Ironworks, Meurthe-et-Moselle, France, permits, according to an exchange, of using pipes 6 ft. 7 in. in diameter, with a thickness of only ⅞ in. for tolerably high pressures, 13 ft. lengths of this diameter weighing only 4½ tons. They are cast with five rings or bands, 8 in. wide, and 13-22 in. thick, for keeping the wire winding in place, which is effected with steel wire ¼ in. in diameter, annealed and galvanized, there being a layer of asphalt between the wire and the cast iron. So soon as the pipe is taken out of its mould, it is put into a lathe, and one end of the steel wire is fixed in a hole

made in the thickness of the cast iron ring; and, by causing the pipe to revolve on its axis, it is wound with wire at the desired tension, generally about eight tons per square inch. A pipe 2 ft. 4 in. in diameter, and 19-32 in. thick, doubly wound with ¼-in. wire under a tension of five tons per square inch, on being tested, only showed signs of giving way under a pressure of 485 lb. per square inch, while it burst at 529 lb. per square inch. This system is now being employed for a water main 1,312 yards long in the Oise Valley, France.

ACETYLENE SOOT.

The soot from acetylene flames is, according to the Zeitschrift fuer Beleuchtungs-wesen, a very valuable product. When burning with a smoking flame, acetylene produces from three to four times as much soot as an equal quantity of mineral oil. The soot is extraordinarily light, and distinguished by its deep black color, which does not show even the slightest tinge of brown. It is free from all tarry admixtures, which in lamp black and ordinary soot are always present in larger or smaller quantities. Acetylene soot is very voluminous, and excellently adapted for the production of dye stuffs and printer's ink.

PIRATING SHEFFIELD MARKS.

SOME Sheffield houses are experiencing a steady improvement in their trade with Egypt, and opinion is entertained that with the close of the war in the Soudan the whole country will prove a very fair market for goods made here. It will be remembered that a little while ago it was ascertained that the Germans were flooding the Egyptian market, with cutlery stamped "Sheffield," and the well-known trade mark of Messrs. Nowill & Sons, of Scotland street. The Cutlers' Company took action, and succeeded in putting down in this market the pirating by the Germans of the word "Sheffield." The result has been to the very distinct advantage of local manufacturers and workmen, and the trade that had been diverted is again flowing in the old channels. There is an opening now for The Cutlers' Company to render similar excellent services in the Turkish market. The considerable volume of trade that was formerly done between that country and Sheffield in cutlery is suffering very much indeed in consequence of German counterfeits. Here, again, Messrs. Nowill are among the chief victims. The Germans have on the market close imitations of their leading patterns of cutlery, got up in the most attractive style. On the blades of pocket knives are the words, "Acier Anglais, Sheffield," and on either side the mark of Messrs. Nowill. When in Constantinople, recently, Col. Bingham saw in the bazaars any quantity of German cutlery stamped "Sheffield," and bearing local marks of repute. If the Cutlers' Company could take this matter up, and stop this abominable system of pirating as effectually as they have done in Egypt they would render an enormous service to the city. In Greece, people are settling down quietly to business once more; inquiries are more numerous, and better orders are coming to hand.—Hardwareman.

FLOOR POLISH AND STAINS.

Here is an excellent floor polish, the recipe for which comes from Japan: To one pint of linseed oil add a pint of strong cold tea, two ounces of spirits of salts and the whites of two eggs. Mix thoroughly and pour into a large bottle. Shake the bottle well before applying the polish. Pour half a teaspoonful on the mop or pad of old soft silk and rub the wood with it, following up the grain. Polish with an old silk handkerchief. The result will compensate for the tedious and careful labor necessary.

Stained floors should be restained at least once a year. Have the floor thoroughly scrubbed and dried before going over with the paint and varnish. To secure the best results, the stain should be put on first and allowed to dry before the coating of varnish

is added. A mixture of warm water, soap and household ammonia, is the best fluid one can use for cleaning board floors. Never use a scrubbing brush on a painted, stained or varnished floor. Use a soft mop. Ink spots may be easily removed by rubbing them with spirits of salts, and grease will disappear after an application of Fuller's earth.

WHITE LEAD BY ELECTROLYSIS.

Electricity is rapidly making its way into every industry, and scarcely a week passes but witnesses some fresh application of this marvelous force. An electrolytic process has been discovered for the manufacture of white lead; and, if this system answers the expectations of its inventor—as there seems a fair prospect of it doing—a complete change will be brought about in the white lead industry. Existing methods of making white lead require considerable time—several months by the old process—but by electrolysis the finest quality of white lead can be produced in a few hours, and at an extremely low cost. The new method consists simply in the action of electrolytically generated nitric acid upon lead, in which there are four reactions. This first consists in the electrolytic preparation of nitric acid and hydro-oxide. In the second, the action of the nitric acid on the lead forms lead nitrate; the reaction of lead nitrate and

sodium hydro-oxide forms lead hydro-oxide; while the combination of lead hydro-oxide and sodium bi-carbonate forms lead carbonate, or white lead.

COLLEGE OF FORESTRY.

Under authorization of an Act of the New York Legislature, that State will establish a college of forestry. A conference has already been held at Albany to decide upon the location of 30,000 acres of land to be purchased for the purpose. No particular plot of ground has as yet been definitely picked upon. The conditions which the authorities decided upon as necessary in seeking land for the new college were formulated by Dr. Fernow, formerly chief of the Forestry Division of the Department of Agriculture at Washington, now director of the new State College of Forestry at Cornell University.

Business men should encourage the development of a similar work in Canada.

LOOKING FOR AGENTS.

The Silverine Manufacturing Co., of Montreal, are looking for live agents in Winnipeg, Vancouver, St. John, Halifax. They are the proprietors of "Silverine" stove polish, and also manufacture inks, concentrated lye, etc.

GILBERTSON'S

"COMET"

BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . . 22 St. John St., Montreal.

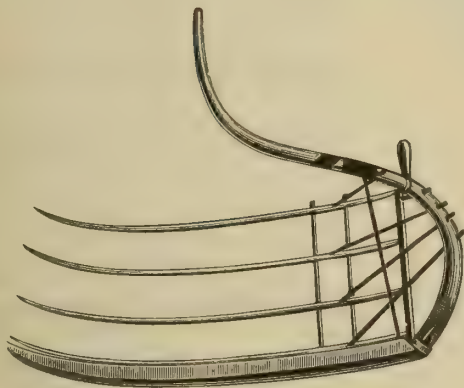
H. S. HOWLAND, SONS & CO.

WHOLESALE
MERCHANTS

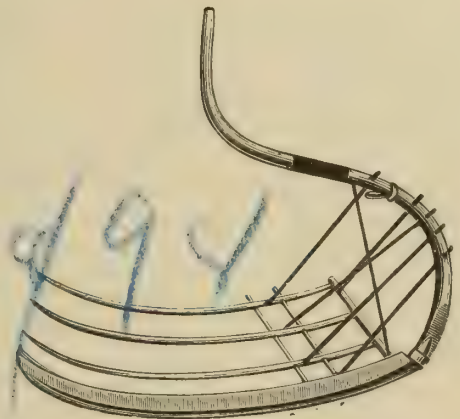
37 Front Street West

TORONTO

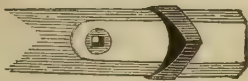
Rixford Harvest Tools



HALF MULLAY.



FULL MULLAY.



Ring and Wedge.



Loop and Solid Plate.



Pat. Swing Socket.



Bush Double Ring.

Hay Forks
Straw Forks
Barley Forks
Manure Forks
Potato Forks
Corn Knives

Garden Hoes
Field Hoes
Weed Cutters
Post Hole Spoons
Reaping Hooks

Hoe Handles
Fork Handles
Rake Handles
D. Tops
Ferrules

Scythes, Snaths, Cradles, Scythe Stones,
Hay Rakes, Etc.

H. S. HOWLAND, SONS & CO.

White Mountain Ice Cream Freezers---all Sizes.

Screen Windows, Screen Doors, Fly Traps, Hammocks, Etc.

TRADE CHAT.

DUNCAN BLACK, superintendent, and Henry Thomas, storekeeper, of The Brantford Carriage Works, have resigned their positions. On Thursday, last week, Mr. Black was presented with a solid gold watchchain and charm, and Mr. Thomas, with a handsome smoker's set, by their fellow-employees, among whom they were both very popular.

The Northrup Loom Co., with a capital of \$100,000, has received a bonus from Papi-neauville, Que., of \$10,000, and intends building a foundry in that town for the manufacture of machinery, such as is used in cotton mills.

Mr. Bailey, who has been endeavoring to organize a company in Brantford, Ont., to manufacture patent scissors, has \$5,200 capital of the \$9,000 he wants from Brantford men. The total capital of the company will be \$20,000.

Joseph Hardill, of Stratford, who has got a patent on a compound engine, wants to enter upon the manufacture of his patent in Brantford, and has been negotiating with J. B. Rouse, manufacturer of laundry machinery, Brantford, to that end. Mr. Hardill would want \$4,000 capital besides, and is trying to interest Brantford capitalists.

THE LATE W. RODDEN.

Mr. William Rodden, of Plantagenet Springs, Ont., whose death was recently noted, was for many years a well-known business man in Montreal, where, until 1875, he conducted a hardware and foundry business. He was elected alderman of Montreal several times, and, in 1860, when H.R.H. the Prince of Wales visited Canada, was chairman of the civic reception committee.

Mr. Rodden was deeply interested in agricultural pursuits, and, as early as 1860, commenced the importation of Ayrshire and other thoroughbred cattle into Canada, and was publisher of the first and second volumes of The Canadian Ayrshire Herd Record.

A REMODELED HARDWARE STORE.

Boulter & Gilmore, hardware merchants, Hamilton, have remodeled their store in John street. They have given it a full extension of two storeys, making the building 45 x 22 feet. The elevator, which stood near the front of the store, shutting out the light to some extent, has been removed to the rear of the building, as also has the stairway. On both sides of the store new shelving has been put in, as well as sliding ladders. Through these improvements a great deal more space is secured. In the front, two plate glass windows have been

put in. Boulter & Gilmore's store now compares favorably with any in the "Ambitious City."

NEW STORES IN TOTTENHAM.

L. P. Foucare, hardware merchant, Tottenham, Ont., has been busy this year erecting a new store on Main street. The building is a two-storey one, 23 x 40 feet. The store has plate glass windows, hardwood fixtures and is lit by electricity.

It will be remembered that a year of two ago Tottenham was visited by a fire which destroyed the principal stores on the main street. In addition to Mr. Foucare's new store, eight others have since been erected, so that Tottenham has been busy lately in the building line. On the site of Mr. Foucare's old store, he has erected a new dwelling.

THE COPPER SUPPLY.

Is there to be a copper famine? In the reply to this question the boilermaking and general engineering trades are vitally interested. And certainly the way in which the copper market has been jumping lately makes such a query not at all unreasonable. During last year this metal has been higher than the year before by an average of £2 a ton, and this advance has recently been greatly accentuated by the war. The production and consumption of copper was on a greater scale in 1897 than in any previous year in the history of the trade, no less than 396,793 tons having been produced, against 373,363 tons in 1896. Yet notwithstanding this great increase of 23,000 tons, the present visible supply in this latter part of May is at least 5,000 tons less than it was twelve months ago. The general increase in the consumption of copper for electrical engineering services and for marine engineering purposes is chiefly responsible for this diminution. European consumers are depending, to a greater extent than ever before, on American supplies. The transatlantic production has been, and still continues to be, on a very large scale. The price of copper to-day is altogether out of proportion to the quantity available for use, it being £2 per ton cheaper than at the same date in 1891, although the visible supply—or quantity in stock—is less than half what it was in 1891. In fact, the present stock is only sufficient for five weeks' consumption, and if the war between the United States and Spain be prolonged—for they, of course, are the two chief producing countries—there is no knowing to what extent the supply may be diminished; so that a copper famine is quite within the bounds of possibility, and those who have much to do with this useful metal in any capacity will act wisely if they regulate their operations in accordance with that possibility. Any real scarcity would, however, be only temporary, for new sources of supply are not infrequent.—Engineer, London.

Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

PICTURE CORDS, SHADE CORDS, PICTURE AND SHADE HARDWARE, SOLID BRAIDED CORDAGE, BICYCLE DRESS GUARD LACING.

.....Ask your jobber for our goods

THE OSSAWAN MILLS CO.

Norwich, Conn., U. S. A.

Covert Mfg. Co.

West Troy, N. Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring. "The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety, Toilet, Hand, Electric Power. **ARE THE BEST.** Highest Quality Grooming and Sheep-Shearing Machines. **WE MAKE THEM.** SEND FOR CATALOGUE TO American Shearer Mfg. Co., Nashua, N.H., U.S.A.

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.

Agent for: Spear & Jackson, Sheffield, saws, tools, etc. H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co., Halifax, N.S., skates; Atkinson Bros., Sheffield, cutlery.

Wholesale trade only.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

The Fork Handle Season is now on.



We have a very heavy stock—can ship promptly, and supply the best. Kindly write us for prices and secure samples before booking your orders for Axe Handles for Fall Shipment. We will be in a position to supply thoroughly seasoned goods, and of the finest quality of second growth hickory. We make a specialty of

"Hand Shaved" Octagon Axe Handles
(Made by Indians)

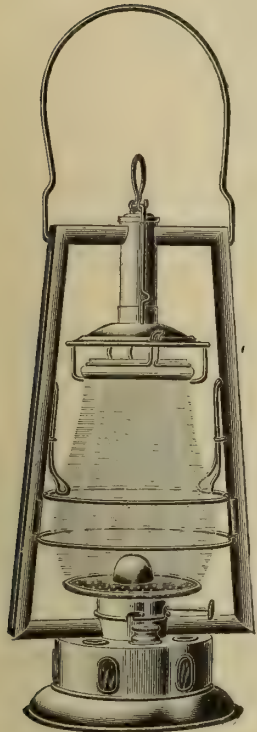
being the largest dealers in Canada in this line. Can give exceptional value in this handle for fall business.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD
Tilbury, Ont.

AMERICAN LANTERNS.

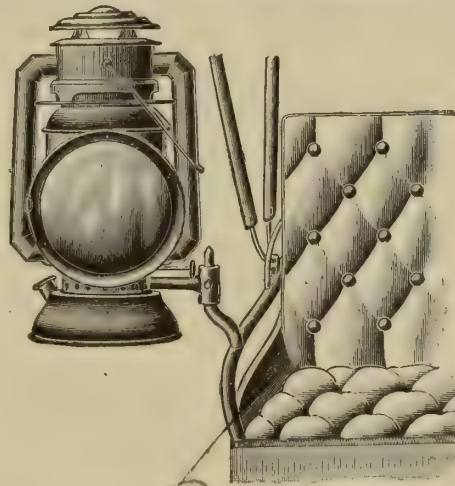
IN FINISH, BURNING QUALITIES AND FINE APPEARANCE
THEY HAVE NO EQUAL.



No. 0. S.S.S. Glass Front.

No more leaky lanterns.
Just the lantern you have
been looking for.

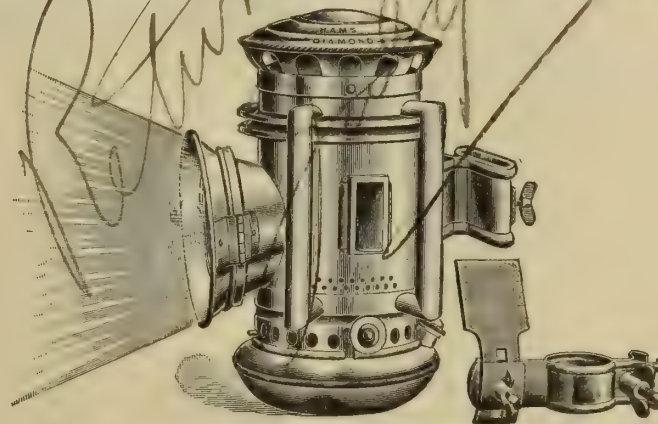
All our goods
are guaran-
teed, and any-
thing not just
as represent-
ed we will
make good at
our expense.



No. 18. DRIVING LAMP.

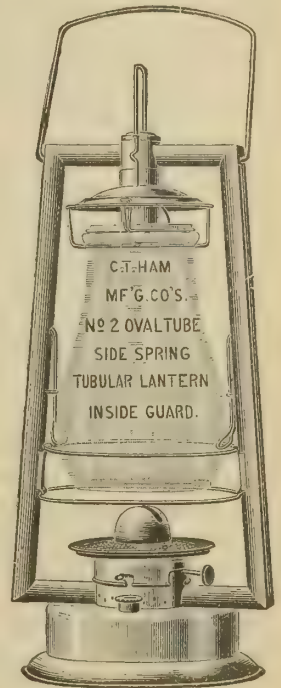
Finished in black japan or nickel plate. Lights the road 100 feet ahead.
It's a little Beauty.

C. T. HAM MFG. CO., Rochester, N.Y.

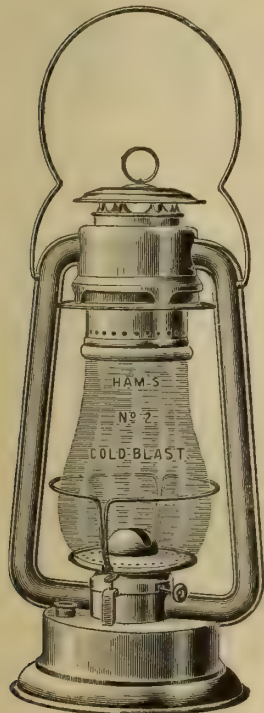


Large Oil Fountain.

No. 0 Globe, No. 2 Burner.
A very popular lantern. Made
also in No. 0 size.

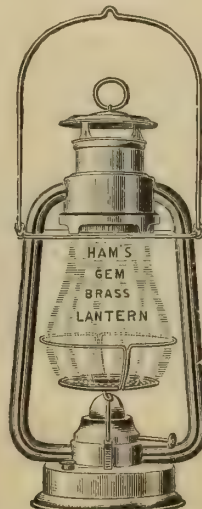


We can finish
any of our tin
lanterns in
copper plate,
so that they
are not as lia-
ble to rust
when used
along the
coast. A
beautiful fin-
ish looks like
solid copper.



This is the ONLY original
COLD BLAST lantern made. It
may be copied, but such imita-
tions are inferior in workman-
ship and burning qualities. A
good lantern for use around
windy places—a great seller.

WRITE
FOR
PRICES.



Made in brass and nickel plate.
Just the lamp for ladies' use around summer resorts.

We sell
Jobbing Trade
only.



For use at summer resorts this
lamp has no equal. Gives a very
large light, not easily affected by
the wind.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

BRITISH IRON AND STEEL TRADES.

THE position has not undergone much alteration during the week, and the general tone is good with a promising outlook. Certainly in a few instances a slight falling off in the demand for some of the commoner descriptions of finished iron is noticed, but in view of the approaching end of the quarter there is nothing remarkable in this. Welsh trade is, of course, suffering from the continued paralysis of business there, caused by the prolonged strike, but the work which is being withheld from makers in that district is adding to the activity of manufacturers elsewhere, notably those in the Midlands. The heavy trades are in almost every case well engaged, and a fair number of fresh orders is being given out. Girders and bridge-work are in request for both home and foreign requirements, and makers have sufficient orders in hand to keep them busy for some time to come. Some good orders have been booked for plates and rivet-iron by the Government, and marked iron continues in steady request from the colonies. Steel makers continue full of work, and, in some cases, experience difficulty in giving delivery with the desired promptitude. Engineers are very well off, and many of the establishments, although working overtime, have leeway to pull up even yet. Locomotive builders speak of having booked fresh orders, but those engines which are required for the far east continue to be placed with American firms. The shipyards are very fully employed throughout, and the call for all descriptions of shipbuilding material remains upon an enormous scale. So great is the pressure that large orders for mill rolls have lately been placed in the Midlands on North-Eastern and Clyde account. It is stated that on the Clyde there are 458,000 tons of shipping on hand, compared with 333,000 tons at this time last year. Rail makers are well engaged, and ask full prices for fresh work. Amongst the latest orders in the market is one for between 2,000 and 3,000 tons of steel rails for the Bengal and Northwestern railway.—Ironmonger, June 30.

U.S. IRON AND STEEL TRADE.

It is a significant indication of marked conditions here that the local mills will not shut down to-day, and most of them will not close for several weeks, in all probability. Accumulated orders are so urgent that this course is imperative. The rod mill at Joliet, which has been running unintermittently for a year, will be compelled to

suspend operations for two or three weeks on orders to make necessary repairs. Concerning local trade, a feature this week was the sale of a lot of steel bars of Chicago manufacture for Canadian delivery. It has not been uncommon heretofore for plates and some other iron and steel products to enter the Canadian markets, but steel bars from Chicago are an innovation.

Midsummer dullness may be said to have settled down upon the land. Trade in iron and steel has been of moderate description. But the dullness is not unbroken. A few bright spots save the market from the monotony of summer torpidity. Mills throughout the country are closing down this week for repairs, and this fact, the past few days, has transferred from the mill to the jobber the current trade. Consequently, store trade has been brisk.—Iron and Steel, Chicago, July 2.

PRICES ON SPADES AND SHOVELS.

Shovel, spade and scoop manufacturers catering to export trade are sending out circulars to the export firms saying that owing to the advance in the cost of material they have been obliged to withdraw all previous prices. It is claimed that the prices on shovels for export have for the past year been so low that little or no profit has been made, and it is hoped that the present advancement, which is general, will not check the large export trade which has been built up by some manufacturers and exporters.—N.Y. Journal of Commerce.

THE FACTORY SITUATION.

The usual shutting down of factories at this season is not practised so extensively as usual, or the shut-downs are for shorter periods, and wage agreements have been made more easily than usual. Pig iron and rails are a little weaker, but small exports to half a dozen foreign countries have been made from Birmingham, and, while eastern reports are generally of dull business, Chicago reports sales of 12,000 tons of rails, and contracts pending for 25,000 tons of structural material, with an active demand from car builders and manufacturers of agricultural materials, and foreign orders for 12,000 tons of rails declined on account of the time for delivery stipulated.—N.Y. Journal of Commerce.

NEW YORK MARKETS.

July 6, 1898.

FIG TIN—There was little or nothing in the way of really new feature. Dealings were moderate, yet of quite good volume

for the season, and sufficient, in connection with favorable London advices, to hold values quite firm. Business was reported at 15.85c. net in store, and 15.90 to 16c. free on board, which prices prevailed at the close. No arrivals were reported here, or at other Atlantic ports to-day, and spot supplies are seemingly in strong position. London cables came a shade lower at the close, but the slight reaction had no visible effect upon the New York market.

COPPER—The condition of the market is virtually the same as it has been for some little time past. Deliveries on old orders are of fairly large volume, but fresh purchases on both export and home account are running rather light at present, and there is sufficient effort on the sellers' side to keep prices rather weak for all varieties of the metal. Lake Superior ingot is quotable at 11 $\frac{3}{4}$ to 11 $\frac{3}{8}$ c.; electrolytic bars, etc., at 11 $\frac{1}{2}$ to 11 $\frac{3}{8}$ c., and casting stock at 11 $\frac{1}{4}$ to 11 $\frac{1}{8}$ c., according to brand.

PIG LEAD—A few carloads of common domestic were sold at 3.97 $\frac{1}{2}$ to 4c. Bids of 3.95c. for good-sized lots were refused in several instances. Upon the whole, the market was fairly strong in tone and favorably situated in a statistical way.

SPELTER—There was considerable irregularity in prices, with the range of 4 $\frac{3}{4}$ to 5c. quoted for delivery in this quarter, according to brand. The position of sellers is somewhat problematical, but offerings are not without evidence of more active competition among producers. The demand here is momentarily slow.

ANTIMONY—The offerings are still light, and prices remain firm at 9 $\frac{1}{4}$ to 9 $\frac{3}{4}$ c., as to brand and quantity.

TIN PLATE—American plates for delivery from August forward are lower in price, and the market has a weak appearance. Business is slow and the demand spiritless. Near future deliveries were sold on the basis of \$2.70 to \$2.72 $\frac{1}{2}$ at mill for 100-lb. and \$2.05 at mill was accepted for 95-lb. for August delivery.

IRON AND STEEL—All branches of the market remain in rather dull condition. Enquiries are somewhat better for the better class of foundry pig iron and for old rails, but bids are invariably low, and only ordinary business takes place. Rails, beams, bars, etc., are barely steady.—N.Y. Journal of Commerce.

W. J. McGuire & Co., plumbers, etc., Toronto, intend erecting a large three-storey addition to their warehouse at 86 King street west. It will be used as a warehouse, storage warehouse, etc.

AN ANNOUNCEMENT!

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

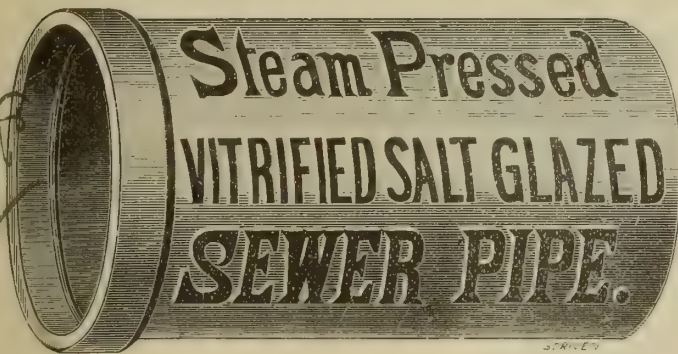
Enameline

THE MODERN
STOVE POLISH
PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

THE HAMILTON AND TORONTO SEWER PIPE CO.



WATER PIPE CULVERT PIPE
FLUE LININGS CHIMNEY TOPS
SMOKE PREVENTIVES INVERTS, ETC.

Write Head Office for Discounts:

HAMILTON - ONTARIO

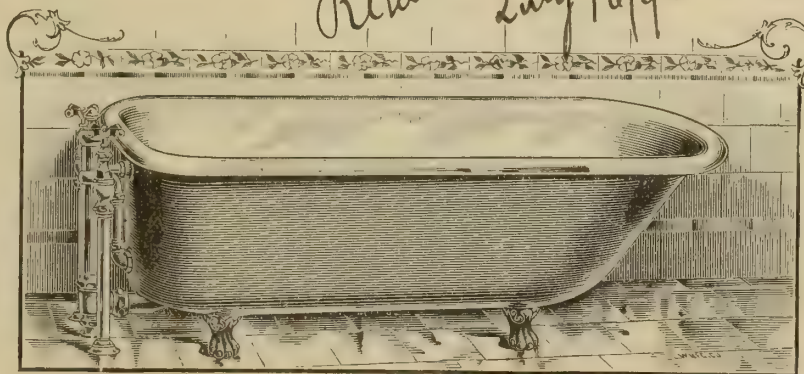
PLUMBERS'

Ask for the J.M.T. Valve. The standard for valve excellence in the Dominion.

SUPPLIES

J.M.T. Cushion Disc Bibbs and Basin Cocks combine the best principles. Ask for them.

Enamelled
Baths and
Lavatories
and
Sanitary
Appliances



Plumbers'
High Grade
Brass Work
of all
Descriptions

The James Morrison Brass Mfg. Co., Limited, Toronto

Manufacturers Plumbers' and Engineers' Supplies.



National Association of Master Plumbers of Canada.

THIRD ANNUAL CONVENTION MEETS IN THE CITY OF QUEBEC—A REPORT OF THE PROCEEDINGS.

EXECUTIVE COMMITTEE REPORT.

THE following is a report of the executive committee of the National Association of Master Plumbers of the Dominion of Canada, held at the Victoria Hotel parlors on Wednesday, June 29, 1898, commencing at 10.30 a.m.

President Joseph Wright was in the chair. Secretary Wm. Mansell, of Toronto, called the roll. The following members of the committee were present:

Joseph Wright, president, Toronto, Ont.; Wm. Smith, vice-president, London, Ont., P. J. Carroll, Quebec vice-president, Montreal; W. Mansell, Toronto.

On account of the absence of the following members of the executive committee, namely: W. M. Briggs, treasurer; J. B. Fitzsimmons, Ontario; Thos. Campbell, G.A. Perrier, Nova Scotia, and T. Stevenson, Manitoba, substitutes had to be appointed to take the places of these gentlemen, and the following were chosen: O. Matte, Quebec; M. Day, Halifax; Mr. Crump, Halifax, and Mr. Sampson, Quebec.

The secretary read a report of the last executive meeting, held in Montreal on February 2, 1898. Considerable discussion here ensued about certain clauses of this report.

The secretary stated that Mr. Briggs, the treasurer, was unable to be present on account of illness.

A communication was received from Mr. Hughes, who was unable to be present on account of stress of work.

A programme was here presented on be-

half of the Quebec local association, which was as follows:

WEDNESDAY, June 29.

9 a.m.—Meeting of the executive committee.
2.15 p.m.—General meeting in large hall, Victoria Hotel.
8 p.m.—General meeting (same place).

THURSDAY, June 30.

Delegates and friends to meet in the rear of the City Hall to be photographed, and reception by Mayor Parent.
10.15 a.m.—General meeting in large hall, Victoria Hotel.
2.15 p.m.—General meeting (same place).
Evening—Banquet and reception, Victoria Hotel.

FRIDAY, July 1.

Morning—Drive to all the various interesting points in the city.
Afternoon—Excursion to the celebrated shrine of Ste. Anne and the Falls of Montmorency. Busses leave the hotel at 1.45 p.m., sharp.
Evening—Moonlight excursion on the river, to the Island of Orleans.

After a hearty vote of thanks, this programme was adopted.

A discussion thereupon ensued with regard to the following resolution, which was adopted at a recent meeting held in Toronto:

That we must stand by our resolutions adopted at the previous convention held in Toronto, July 2, 1897, and that where these resolutions affect the interests of the wholesale dealers who have signed and are carrying out this agreement, facts and grievances shall be reported to the local association nearest, who will have a right to decide if it ought to be tolerated.—Carried

Various instances were cited in which this resolution was not carried out, and, after considerable discussion of a personal nature, relating to certain houses, the executive committee adjourned.

WEDNESDAY AFTERNOON SESSION.

Convention proper was opened at 3.10 o'clock, p.m.

The president, Jos. Wright, of Toronto, called the convention to order, and appointed

Mr. Sclater, of Montreal, sergeant-at-arms, and Messrs. Higman (of Ottawa), Allison (of Toronto), and Mr. Lesperance (of Lesperance & Therault, Montreal) as the committee on credentials.

The sergeant-at-arms stated that a number of the supply houses' representatives were present and would be pleased to call on the convention. The sergeant-at-arms was thereupon instructed to let in the gentlemen to the preliminary session. The following gentlemen entered the hall as representatives of the supply houses: Mr. McMichael, Mr. Robinson and Mr. Fyatt, of Warden King & Son, Montreal, and Mr. Hebert, Montreal. Each of these gentlemen, on being called upon to say a few words, responded with brief, friendly addresses.

THE DELEGATES.

The chairman of the committee on credentials presented the names of the following delegates:

Halifax—Mr. M. Day and Mr. Crump.
London—Mr. Smith (also St. Thomas).
Montreal—J. Brunet, P. J. Carroll, Mr. Denman, Thos. Forest and Mr. Lesperance (Christie, Sadler & Burns).

Ottawa—John Higman.

Toronto—K. J. Allison, Mr. Hogarth and Mr. Meredith.

Windsor—Mr. Pennington.

Vancouver—President Wright.

President, Jos. Wright, Toronto; vice-president, Wm. Smith, London; secretary, Wm. Mansell, Toronto.

Treasurer Briggs was unable to be present, owing to illness.

On the motion being put and seconded, it was resolved that the names of delegates

as read constitute the third annual convention of the National Association of Master Plumbers of the Dominion of Canada.

President Wright said he was pleased to welcome the wholesale men who had honored them with a visit, and stated that their presence was a sign of their willingness, as well as the willingness of the association, to agree in the future. (Applause.)

Communications were received from Mr. Wiggs, of The Mechanics Supply Co., of Quebec, and from Mr. Hughes, of Montreal, on their inability to be present.

The secretary then read the president's report, as follows:

PRESIDENT'S REPORT.

Toronto June 29, 1898.

To the Delegates and Members of the National Association of Master Plumbers, Gas, Steam and Hot Water Fitters of the Dominion of Canada.

GENTLEMEN,—So swiftly do the months pass it is difficult to realize that a year has elapsed since you did me the honor of placing me in the chair. It must be pleasant to you, as it is to me, to see again familiar faces of your brethren of the craft.

Since the formation of our association two years ago, the day has passed when a master plumber, gas, steam or hot water fitter regards his fellow craftsman as an enemy for whom he had no use and whom he hoped to assist to put off the earth. Education and experience have taught us not only the uncharitableness of and moral wrong of such a feeling, but also its utter inexpedience and futility from a business point of view. We have found, as have other industries, that cut-throat competition can only lead to mutual extermination or self-destruction. We now regard each other as men who must of necessity be co-adjutors and co-workers for the mutual good and profit of the trade.

In our city, when we met together in the local association, we speedily discovered two facts: That we did not know by sight even men whose names were household words in our business, and secondly, that these men, instead of being evil-disposed adversaries, were mighty good fellows. Then let me welcome you all as good fellows to a convention of a good honorable industry.

The importance of a convention like ours is not to be underestimated. We are acting, not for ourselves alone, but for all those engaged in our line of business, whether members or not, throughout the Dominion of Canada. Every one of these must be more or less affected by legislation of this assembly. Let us remember, then, the great diversity of conditions that prevail in a country as large as ours, the variety of local practice in a constituency so dispersed and varied as that of this convention. In matters where national practice is uniform we can adopt uniform and rigid rules, but in reference to local affairs there must be an elasticity of law that will permit local associations to make local rules not conflicting with the National Association and By-laws.

TRADE REGULATIONS.

Our relations with manufacturers and dealers in general during the latter part of last year were not very satisfactory. Complaints have come to the executive committee from St. John, N.B., that T. McAvity & Sons and the Thos. Robertson & Co., Limited, of Montreal, and others, were violating the resolutions signed by them.

Your executive committee took the charges up and wrote these firms, and they denied the charges

and it was thought best for your president to visit Montreal and investigate the charges. I was able to meet Mr. McAvity, of St. John, T. Doody, Provincial vice-president for St. John, N.B., and P. J. Carroll, Provincial vice-president for Quebec. We met at the Windsor Hotel, Montreal. I am pleased to report we were able to adjust all charges satisfactorily to all.

I also made an appointment to meet Mr. Robertson, of Thos. Robertson & Co., Limited, of Montreal, and P. J. Carroll, Prov. vice-president. We met again at the Windsor Hotel, Montreal, and were able to adjust these charges satisfactorily.

I have also met the manufacturers and dealers of Toronto. One of the points discussed was the interpretation of the term master plumber, gas and steam and hot water fitter, as set forth in our regulations. My interpretation differs from those given by some members of the local association in London, Montreal and Toronto. This should come before this convention and be settled.

I am pleased to report that we have local associa-



Wm. Smith, London, President.

tions from the Atlantic to the Pacific Oceans, as I was at Vancouver and organized a local association there on May 27. (Applause.) I am sorry I was not so fortunate in Victoria, B.C., as the trade there were out for a good time, keeping the Queen's birthday for three days, all the time I was there. Victoria, B.C., will try and get the plumbers to form a local there.

I visited Winnipeg on May 31, and met the officers of the local association and dealers at the Manitoba Hotel. We were able to adjust all their grievances satisfactorily to all.

During the year, I have made five visits to Montreal, two to Ottawa, one to London and Hamilton, on business connected with the association. At Hamilton I was not able to get a meeting of the plumbers then.

The executive committee met in February last in Montreal. The meetings have been a great help to our association, manufacturers and dealers. There was a printed report of these meetings which has been sent to all.

In closing, I extend my sincere thanks to the officers of the association, to the members of the executive committee, and to you, the members of

the association, for the unfailing courteous treatment and assistance which I have received from you at all times, trusting you will kindly forgive any shortcomings in my administration.

The future of the association is in your hands. I ask you to give the best thoughts to the deliberations of this convention, and your best efforts and enthusiasm to the promotion of our common interest throughout the coming year.

Yours faithfully,

JOSEPH WRIGHT.

Moved by Mr. Allison, seconded by Mr. Lesperance, that the report of the president be received.—Carried.

THE EXECUTIVE COMMITTEE.

The report of the Executive Committee was then read, as follows:

MR. PRESIDENT AND MEMBERS,—Your committee have pleasure in submitting their annual report, to the third annual convention, for the year ending June 30, 1898.

Three meetings of the executive have been held as a whole during the year, the first meeting being held on the blue waters of Lake Ontario on our National Day, July 1, 1897; the second meeting was held in the Royal City of Montreal on Feb. 2, 1898, and the third meeting was held in the city of Quebec, on June 29. At the first meeting, on July 1 last, the main business transacted was the appointment of a sub-executive committee, whose duty it was to consider all grievances submitted to them for adjustment and decision. The president, Mr. Joseph Wright, Mr. J. B. Fitzsimmons and Mr. Mansell, secretary, were elected as a sub-committee, with full executive power. Several matters, of more or less serious nature, were brought before this sub-committee during their first six months in office, at their several meetings held for that purpose, all of which were handled with care and consideration.

At the beginning of the present year, a circular was issued by Vice-president Carroll and his colleagues of the executive in Montreal, to all members of the executive throughout the Dominion, asking their opinions as to the advisability of holding a full executive meeting in the city of Montreal about Feb. 1, and, as the replies were all in favor of same, a summons was issued calling the meeting together on Feb. 2.

At the several meetings held on that date and the day following, very important business was transacted, the fruits of some being already reaped. Joint meetings were held by our executive and representatives appointed by the manufacturers and jobbers, when many misunderstandings were corrected, and the best of good-fellowship prevailed, and no decisions were arrived at till the conclusions were satisfactory to all present.

It is very gratifying to be able to record in this report that the advice of our executive at that meeting to the manufacturers and jobbers present with us then, has been adopted by them, and they have formed their different associations into a Dominion body. It is also very gratifying to report that the hopes of our last year's executive have been answered by the zealous action of our president who, in the interests of this association, went as far as the Pacific Coast and forged the connecting link that makes our association complete, from the Atlantic to the Pacific Oceans, by organizing an association of master plumbers, gas, steam and hot water fitters in the city of Vancouver, B.C., and the names of which appear in the bulletin printed for this convention, and, while not extending our association as fast as we anticipated, it is very encouraging to be able to report that a steady progress is

being made, which is well known to be the surest way of attaining solid and lasting construction; and, while expressing our hearty appreciation of the grand achievement of our president, it only goes to show the dire necessity of having some executive officer specially appointed for the purpose of organizing every master plumber and fitter in the whole Dominion under the banner of our association, and, although we can look back with pride on the results of the labors of our predecessors, much more remains to be done before we can rest on our oars, and feel satisfied to hand over the reins of control to our successors, with that feeling of contentment that our labors in the past have not been wasted, and that we can relinquish our active actions with that feeling of satisfaction that our labors have not been given for selfish or harsh purposes, but for the amendful improvement in the conditions of our association, and for the trade protection of the interests of all master plumbers and fitters throughout the Dominion.

We regret to have to say that some of our larger cities and towns still remain unorganized, but with the proper person entrusted with this work, we can freely say that there need not be a city, town or village unrepresented at our next convention, and we strongly urge that special consideration be given to the subject of organization this session.

We are, humbly,

JOS. WRIGHT, President.
W. MANSELL, Secretary.

Moved by Mr. Denman, seconded by Mr. Pennington, that the report of the executive committee be received.—Carried.

VICE-PRESIDENT SMITH'S REPORT.

The vice-president's report was then taken up as follows:

To the officers and members of N. A. of M. P. of the Dominion.

GENTLEMEN,—One year ago you honored me by placing me as vice-president of the National Association, for which I am thankful and justly proud.

The time has now come for me to give an account of what I have done during my term of office.

In all matters of importance I have consulted with the executive committee before acting, and in all cases I have always found them prompt, painstaking and conservative in their advice.

As a member of your executive, I might state that your executive acted upon a number of important matters during the year, which I will leave to be reviewed in the committee's report.

During the year I have had occasion a great many times to explain to the wholesale trade the full meanings of the resolutions, and in each case was received satisfactorily.

I might also inform you that, through the efforts of our sanitary committee of last year and the association of this year, we have been successful in getting the Board of Health of the city of London to pass the plumbers' by-law.

I now call your special attention to the great evil that is caused by local associations forming themselves into what I will call a combine to get better prices for their material and work. In our London association it was formed against my wishes, and it resulted in nearly wiping out our association, and from what I can learn, it has ruined the St. Thomas association.

I am satisfied that the time has now arrived when we should stand together to get all that we are legally entitled to, and I hope the day is not far distant when we will enroll all the good-thinking plumbers of the Dominion under our banner. I am

sorry to say that the increase of membership for the past year in the west has been very small, but the outlook for the coming year is very encouraging.

I now take great pleasure in thanking the officers and members for the kindness shown towards me during my term of office.

In closing, it is my earnest hope that the coming year will dawn brighter for the plumbing and heating fraternity.

Yours truly,

WILLIAM SMITH,
Dominion Vice-president.

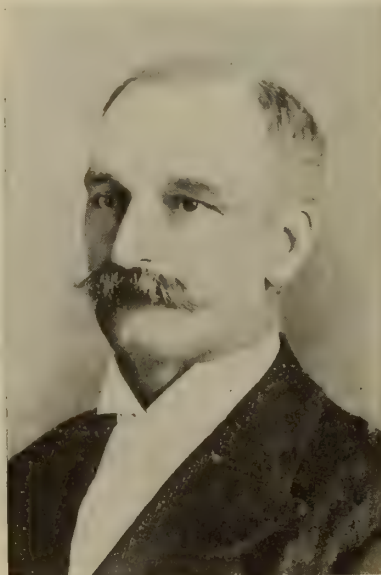
Moved by Mr. Carroll, seconded by Mr. Day, that above report be received.—Carried

VICE-PRESIDENT CARROLL'S REPORT.

Montreal, June 29, 1898.

To the Officers and Members of The National Association of Master Plumbers of The Dominion of Canada.

GENTLEMEN,—A year ago, I was honored by being chosen your vice-president for the Province



Joseph Wright, Toronto, Retiring President.

of Quebec, and I respectfully beg to lay before you my report for the past year.

My relations with the master plumbers in my jurisdiction have been most cordial, and I desire firstly to return to them my sincere thanks for the aid they rendered me in the discharge of my (in some instances) unpleasant duties; to the executive officers of The National Association I also owe much gratitude for their many kindnesses rendered me during the past year.

We had many occasions for anxiety during the past year for the future of our association, owing principally to the open disregard of the solemn promises made to us by the wholesale trade, and to the unfortunate and demoralizing indifference of the members of our trade. As to the differences between the master plumbers and the supply houses, it is with much pleasure that they have been very satisfactorily arranged by the meeting between us held on February 2 in Montreal. As to the indifference of our members how much has been said on the subject and how little good has been effected!

Would that we could instil into the minds of our members the benefit that would arise from constant and devoted interest in the affairs of our association, good to the public at large and profit to ourselves.

I have endeavored during my term of office to enthruse the members of our trade with more active

support of our local associations, both by conversations and much correspondence, and, while the measure of success has not been so great as I wished, I trust that the few results, so far, will have lasting effect, and, that during the coming year the efforts put forth by your officers this year will bear fruit a hundred fold. As to the members of the craft in the Province who have not joined our ranks, I can assure you that it is not because the members of the local associations have not by all means endeavored to join us, however, "There are none so blind as those who will not see."

In the city of Montreal it is indeed gratifying to the trade to see the city council taking a new and very active interest in the heretofore sadly neglected plumbing by-laws. There now seems to be in the city council aldermen who recognize the importance of a proper supervision and inspection made by the master plumbers, and that we will have a plumbing by-law second to none on the continent.

We have often been reminded at former conventions of the absolute necessity of secrecy as to our actions at meetings, and I cannot do more than recommend it once more. Let us be true to ourselves and we will compel others to be just to us.

We should communicate one with the other as frequently as possible, because it creates a friendly feeling between us, and, by the exchange of ideas, we become more proficient in the discharge of the duties we owe the public as master plumbers, also the executive officers should be prompt in replying to communications so that our members will feel that their interests are being attended to.

In conclusion, I trust that you will pardon me for the many suggestions I have made, instead of a complete resume of the work accomplished by us during the past year, but, in my opinion, it is better that the work we have accomplished should be given in detail by word of mouth rather than in writing, particularly when the work done is pretty well known by all present.

The whole respectfully submitted.

P. J. CARROLL,
Vice-President Quebec.

Moved by Mr. Higman, seconded by Mr. Allison, that report be received.—Carried.

THE REPORT FROM NOVA SCOTIA AND PRINCE EDWARD ISLAND.

To the President, Officers and Members of the National Association of Master Plumbers.

GENTLEMEN,—It is with great pleasure that I now make my second annual report as vice-president of this association, representing Nova Scotia, which includes Prince Edward Island, and to state that all matters pertaining to the benefit of the craft in our section of the Dominion are satisfactory. Our trade relations still continue amicable with the wholesale houses, and are carried out satisfactorily to both plumbers and themselves. Any difference arising at any time is settled at once by myself and our local associations. As you are aware that the arrangements made with us and the trades, manufacturers and supply houses, and which is signed by the majority of the manufacturers and dealers from Halifax to Toronto, is such that they cannot sell to any but association members. This has been the rule since our local organization, before the national association was formed, and still works satisfactorily to all parties, and, in my opinion, should be adopted by the national association.

I am only one in the matter, but the day will come when this association of master plumbers of the Dominion of Canada will find that steps will have to be taken in this respect if we want to live.

Our membership is about the same as last year, the majority of whom are in good standing, but I

must again mention that we have Nova Scotia plumbers on the list of New Brunswick. This should be changed and those plumbers and members of New Brunswick association who live and do business in Nova Scotia should be transferred to our association. This requires the co-operation of our brother plumbers in New Brunswick, who, I have no doubt, will be only too willing to meet us in this matter.

I am sorry to state that we have not yet been able to get the western master plumbers with us (by this I mean western Nova Scotia), but have hopes that if our national association can co-operate with our brother associates in the United States that this can be arranged satisfactorily. As long as the western plumbers can buy in the United States market, they will not be with us.

Speaking of trade relations with our confreres in the United States, I can only reiterate what I stated in my report last year, namely, that this National Association of Master Plumbers should take some action whereby we could co-operate and have better trade relations with the association of the United States, both for our own protection as well as all the local associations of the Dominion.

On behalf of our association I would ask that some action be taken in the matter at the forthcoming convention.

In conclusion, gentlemen, I must express my regret at not being able this year to attend the convention, but hope in the near future to be able to be with you as in the past.

Respectfully submitted,

Yours truly,

JOHN BARTON,

Vice-president representing Nova Scotia.

Moved by Mr. Forest, seconded by Mr. Lesperance, that above report be received.—Carried.

REPORT OF SANITARY COMMITTEE.

Joseph Wright, Esq., President National Association Master Plumbers, Gas, Steam, and Hot Water Fitters of the Dominion of Canada.

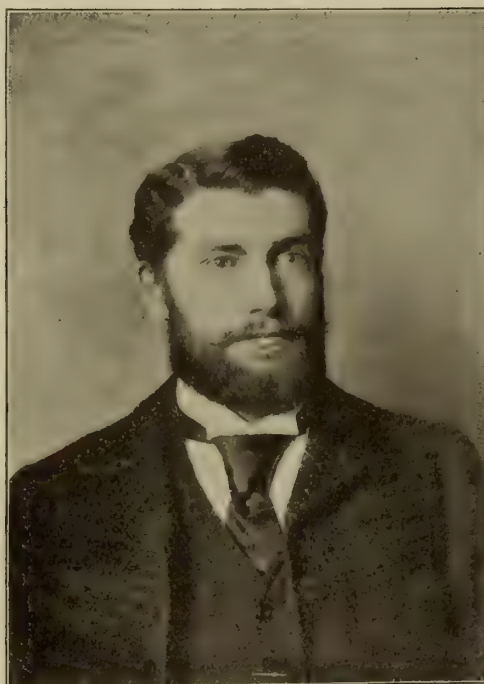
DEAR SIR,—Your sanitary committee have pleasure in reporting that during the past year considerable progress has been made in the most necessary of all work in the sanitary way, viz., general education of the public. The pulpit, the press, the school, the platform, and last, but not least, the master plumber and the master plumbers' associations, have all contributed their share, and slowly, but surely, the general public are awakening to the fact that it pays to be healthy. Once this view of the question becomes the general belief of the masses, there will be no difficulty in making, and, what is of more importance, the carrying out, of sanitary laws and by-laws. But there is still an immense amount of missionary work to be done before the masses and the classes believe practically that most cases of illness are caused by a violation of Nature's laws, which are God's laws, for He made them, and that any infraction of them will be followed by a sure and certain punishment.

If our people drink sewer-polluted water, they will have to bear the pains and penalties, as well as the expenses incidental to an outbreak of typhoid fever. If they inhabit filthy dwellings, breathe a polluted atmosphere, and live in the midst of unsanitary surroundings, they will be subject to the penalty of having some filthy disease. Man can no more take into his system the germs of disease and expect to escape the penalty than he can swallow

arsenic or laudanum and escape the effects of these drugs.

If, instead of looking upon an outbreak of illness as a mysterious dispensation of Providence, inflicted upon us for our sins in general, we understood that the sin of violation of God's sanitary laws was visited by the punishment made and provided, there would be more attention given to the state of the drains, the source of the water and milk supplies, and our legislators would not hesitate to pass, and, what is more important, enforce laws calling for good plumbing, pure water, effective drainage, light and ventilation in our dwellings in proportion to the needs of the occupants.

Your committee would recommend our association to point out to our legislators the necessity, already great in our large and growing cities, for the careful supervision of tenement houses and the dwellings of the poor. Already there is overcrowding, dark rooms are becoming common, absence of sunlight and ventilation is producing the usual results, and, if our large towns wish to avoid the sad and costly experience of other



J. W. Harris, Montreal, Vice-President.

countries, the question must be taken up at once. Plumbing by-laws and general sanitary regulations are needed for the protection of the masses, and especially for the poor, who are unable to protect themselves.

The rich employ the best talent, and use all precautions against the admission of disease-producing elements into their homes. The poor man, alas! is compelled by his poverty to live under such conditions as his purse will allow.

The State has a duty in this matter, that of protecting those who cannot protect themselves in sanitary matters, and your committee would strongly urge upon our legislators in the Dominion Parliament the passing of a law for the Dominion covering these important questions, a law laying down the general principles and preventing the use of improper materials or the employment of wrong methods, whether in the city, town, village, or the isolated dwelling.

The public press has recently given an account of a terrible state of affairs in connection with a certain public work, Accounts of the outbreak of diphtheria

and kindred diseases in lumber camps and similar places are not infrequent, and the little hamlets and villages are frequently visited by death-dealing scourges that would have no existence were even the most elementary sanitary laws known and practised by the inhabitants.

Men are employed by the Government to educate our people in such questions as the manufacture of cheese and butter or the rotation of crops; surely the health of our inhabitants, the most important asset we have, is of equal importance.

Millions have been spent in inducing the foreigner to come to our country; surely a few thousands could be spared to protect and prolong the lives of our much more valuable native population.

As long as the death rate in any district remains above normal, it proves that valuable lives are being wasted, the saving of which would be at least of equal value to the country to the introduction of foreign immigrants to take the place of those needlessly sacrificed.

In the special line in which we are interested progress has been made. The call for the better class of fixtures is becoming more frequent, better materials are being used, and slowly but surely the public is being awakened to the fact that good plumbing pays, that the best is none too good, and is in the end the cheapest, and that every man who can caulk or solder a joint is not entitled to be called a plumber.

Rigid examination and certification of plumbers will, we hope, soon be the rule, and the inspector of plumbing be considered as necessary to the completion of the roll of municipal officers as the mayor or city surveyor.

To secure these things we must work shoulder to shoulder, not crushing a weak brother, but rather lending him a helping hand, for in the uplifting of our calling and the proper appreciation of it in a great measure depends the health of large numbers in our cities and towns.

Respectfully submitted,

J. W. HUGHES,

Secretary Sanitary Committee.

Montreal, June 29, 1898.

Moved by Mr. Sampson, seconded by Mr. Forest, that the report of the sanitary committee be filed and extracts be given to the press as being valuable to the fraternity.—Carried.

REPORT OF THE ESSAY COMMITTEE.

Quebec, June 28, 1898.

To the President and Members of the N.A. of M.P.

GENTLEMEN,—In view of the present condition of association matters in our district, your committee take this opportunity of making a few remarks.

Our committee is of a more diversified nature than in any other city in the Dominion, and, consequently, the aims, interests and opinions of those who are looked to to form and maintain a local association make it difficult for them to amalgamate on the same lines, and the action that is deemed necessary and right by one part is apt to be looked upon by the others with a certain amount of distrust, and as an effort to curtail their chances in doing business. While, at the same time, some of those who are in a position to know and do better fail to act up to the principles which are taught in the association, and, instead of seeking steadfastly to maintain the benefits that the association seeks to secure for the trade at large, take advantage of those benefits and then personally sacrifice them by giving them over,

with sometimes a little more, to secure work which they would often be better off without. Those combined causes make it a difficult task to show to the trade at large that there is any value to be received for the money they are called upon to contribute for the association expenses.

It is a singular problem to explain how a man with more than the average amount of brains necessary to conduct both the commercial and mechanical business of plumbing, who has spent all the



W. H. Meredith, Toronto, Treasurer.

working hours of his lifetime to learn the mechanical part, and all that ought to be his leisure in mastering the commercial part, can deliberately sit down with a price list, a discount sheet and an architect's specification and make out some of the tenders which were put in for work during the past few years.

Whether it is greed for work or ignorance, the result is most disastrous, both to themselves and the rest of the trade, and sometimes to their creditors. We venture to say that there is not a man in the business to-day who does not hope that when the time comes that he has to lay down his kit and hand in his time sheet his business will be continued by a son, a son-in-law or other heir, and think what a white elephant a business is, part of which is conducted on these lines. Whether it is possible for association teaching or experience to improve this condition is a problem that must engage the attention of the thinking men in all trades, but especially in ours.

Trusting that these few remarks may bear some fruit is the wish of your committee.

C. E. PICARD,
A. FOREST,
R. SAMPSON,
J. B. KANE,
O. MATTE.

It was moved and seconded that the above report be received as read.—Carried.

Reports from Ottawa, St. John and Winnipeg had not arrived, but some of the reports were said to be on the way.

The secretary stated that, on account of the illness of the treasurer, he not being able to attend, the secretary's and the treasurer's reports were not ready for the afternoon session. However, the secretary's report could be gone over as far as possible.

Mr. Day stated there were 27 members in good standing in Halifax.

The secretary said that he had received no reports from Fredericton or Stratford.

Moved by Mr. Smith, seconded by Mr. Allison, that the secretary's and treasurer's reports be received, and that a committee be appointed to audit the accounts.—Carried.

Moved by Mr. Higman, seconded by Mr. Pennington, that Messrs. Allison, Watson and Crump be a committee to audit accounts.—Carried.

The secretary stated that reports from the apprentice committee were not to hand yet.

The auditing committee brought in their report as follows :

We, the undersigned, have examined the treasurer's books and vouchers, and found the same correct.

KENNETH J. ALLISON, }
JOHN WATSON, } Auditors.
JAMES G. CRUMP, }

The committee wish to refer back the secretary's report for further consideration, as we find there are several items of liabilities not included in his present statement. Before we could give a full and satisfactory report the returns should all be in from the associations.

The report was referred back to them.

A communication was received from the wholesale dealers and jobbers, extending greetings and inviting the convention to the Chateau Frontenac for music and refreshments.

A telegram was received from the Master Plumbers of the United States, extending greetings, etc.

A communication was received from Vancouver, requesting that Mr. Wright be appointed as their representative.

Lieut.-Col. Massey gave a short address, expressing his gratification at meeting with the plumbers in a friendly manner.

A communication was received from the wholesale dealers regarding resolutions passed at a recent meeting of the executive as follows :

Jos. Wright, Esq., President Master Plumbers' Association.

DEAR SIR,—Regarding the within resolution, the members of the executive committee of The Dominion Heating and Plumbing Supply Association, at present in Quebec, having met together and discussed the same, beg to suggest to The Plumbers' Association that the proper channel to refer this resolution to would be the secretary of The Dominion Heating and Plumbing Supply Association for their official consideration at their next meeting.

J. M. TAYLOR,
F. MASSEY,
W. H. WIGGS.

Quebec, June 30, 1898.

Moved by Mr. Meredith, seconded by Mr. Lesperance, that the invitation be accepted.—Carried.

The secretary reported the legislative committee's report not to hand yet.

A communication was received from Mr. Hughes stating his inability to be present owing to stress of business.

Moved by Mr. Smith, seconded by Mr. Mansell, that a telegram be sent to those chairmen who have not sent in their reports, at once, and that they all remain acting until discharged by the association.—Carried.

Moved by Mr. Mansell, seconded by Mr. Pennington, that the following be a standing committee on resolutions to take up reports: Messrs. Matte, Pennington, Denman, Allison, and Day.—Carried.

Moved by Mr. Carroll, seconded by Mr. Smith, that Messrs. Watson and Burns be substitutes for Mr. Harris and Mr. Montpetit, who are not present.—Carried.

The special committee not having brought in a report at 5.20 p.m., the meeting was called to order and adjourned to meet again at 8 o'clock in the evening.

EVENING SESSION, WEDNESDAY.

At 8.30 p.m. vice-president Smith called the convention to order.

The committee on reports and resolutions brought in its report as follows :

MR. PRESIDENT AND MEMBERS,—(1) From Mr. Barton, Halifax. The committee appointed to report on the resolutions, do first recommend that the executive use their influence to get the New Brunswick members doing business in Nova Scotia transferred to the Halifax local association; that they also use their influence with the master



W. Mansell, Toronto, Secretary pro tem.

plumbers of western Nova Scotia to persuade them to join the Halifax association.

(2) Regarding vice-president's report, your committee desires to express its approval of Mr. Smith's suggestion regarding combines; we think them detrimental to the welfare of our association.

(3) Regarding Mr. Carroll's report, committee recommend that Mr. Carroll's suggestion with

respect to secrecy of the business carried on by the local associations be concurred in.

(4) We are sorry to hear that the local association of Quebec has not worked satisfactorily for the last year. Recommend that the members of this association do try to get them to unite according to the Quebec committee's report.

(5) We take much pleasure in the good work done by the executive officers and hope that every member of this association will continue to assist them in every way possible, as only by united action can we succeed.

(6) We recommend that the report of the sanitary committee be received and adopted, and also

DISCUSSING THE RESOLUTION COMMITTEE'S REPORT.

After discussion by the convention of clause (1) mentioned above, it was moved by Mr. Pennington, seconded by Mr. Forest, that the secretary be instructed to secure names of firms not in the association so that they could be brought into the association.—Carried.

Moved by Mr. Mansell, seconded by Mr. Meredith, that after this session closes

in his association they discussed the various jobs given around and did not think a price combine could be made.

Mr. Higman said that in Ottawa they did have a combine, but had a list made out, giving a stated price for each article, and that the list prices are working to-day, but he did not think this would work regarding tenders.

Mr. Denman also stated, that something similar was in vogue in Montreal.

Mr. Wright said Montreal had only half



A CORNER IN THE MECHANICS SUPPLY COMPANY'S SHOW ROOM.

that a copy of the same be given to the press for publication.

O. MATTE,
GEO. C. DENMAN,
M. DAY,
JOS. PENNINGTON,
K. J. ALLISON.

The vice-president asked the pleasure of the convention on the report of the legislative committee. It was moved and seconded that the report be read clause by clause.—Carried.

names be handed in to the secretary in writing.—Carried.

In discussing clause (2), Mr. Mansell stated that in certain places it could not be attempted.

Mr. Wright: If a man would be fool enough to take work too low he would eventually rue it in the end.

Mr. Pennington did not look at it exactly in the nature of a combine, and stated that

a price list, but Toronto has everything stipulated. In Montreal, labor being reckoned at 35c. an hour and Toronto 50c. an hour, and that in some instances, in Montreal, labor was reckoned as low as 25c. an hour.

Moved by Mr. Mansell, seconded by Mr. Forest, that notices be sent to the various associations relating to contract work.—Carried.

Discussion ensued on clause 3.

Mr. Carroll spoke, emphasizing this clause.

Some of the members stated that an oath ought to be taken.

The president spoke about secrecy and the necessity of keeping pointers from travelers. He cited two instances, and stated that they were friends only so far as the almighty dollar was concerned, and the interest of their respective firms, and in this way they get back at you.

Considerable discussion here ensued regarding the matter.

Moved by Mr. Burns and seconded by Mr. Forest, that an extra binding oath be taken.—Carried.

Mr. Denman did not think it necessary to take an oath.

Mr. Mansell said that the pledge of honor necessary on joining the association ought to be sufficient.

Mr. Pennington did not see how it could be done.

Mr. Meredith said that the less frills that were put on the more it would strengthen the membership.

An amendment was made to motion of Mr. Burns, and seconded, that the secretary send out a strong letter recommending absolute secrecy.

Mr. Burns withdrew his motion and the amendment was carried.

The next two clauses was passed without much discussion.

In the clause referring to the Quebec committee's report Mr. Carroll wished to have a hearing from the Quebec men about the poor shape of that association.

Mr. Wright stated that it would be advisable to get all the Quebec men into line while the convention was in session.

Moved by Mr. Wright, seconded by Mr. Matte, that an invitation be extended to the plumbers of Quebec to attend a special meeting of the convention for their own special benefit, and that a committee be appointed to call around and see them. Messrs. Wright, Carroll and Matte were appointed the committee.

Clauses 6 and 7 were passed.

Clause 8 was referred back for further consideration on account of returns not being all in.

Moved by Mr. Wright, seconded by Mr. Matte, that the convention do adjourn to 8.30 o'clock to-morrow.—Carried.

Before adjourning, the jobbers and supply houses sent an invitation to the convention to meet them at the Chateau Frontenac for entertainment, such as music and refreshments. The convention accepted the invitation and spent a pleasant evening

together, with social intercourse and music for a few hours, when they were escorted back to the Victoria by the deputation.

MORNING SESSION—THURSDAY.

The convention began its session at 8.30 a.m., Vice-President Smith occupied the chair.

The vice-president explained the particulars regarding the coming programme arranged by the Quebec plumbers and supply houses as finally agreed upon.

The secretary called the roll. Several new delegates arrived who were not able to get here in time for Wednesday's session.

A communication was read from the Vancouver association, asking Mr. Wright to act as their representative at the convention.

Moved by Mr. Mansell, seconded by Mr. Higman, that said communication be complied with.—Carried.

THE SOIL PIPE QUESTION.

Mr. Carroll said he had a talk with the soil pipe manufacturers, and suggested that instead of Montreal manufacturers giving a rebate, they give 2½ per cent. extra. He was informed that the manufacturers are to hold a meeting on the 12th of July respecting soil pipe matters, and requested that a committee from the plumbers' association meet them.

Mr. Higman, the chairman, and Mr. Hogarth spoke in approval of the above plan.

Mr. Harris suggested that in buying a larger lot of pipe an extra discount be allowed, said discount to be placed on an average proportionate ratio.

Mr. Smith said that it would be hard to get at it in that way.

Moved by Mr. Harris, seconded by Mr. Watson, that a committee of three be appointed to look into the matter and report the best methods of procedure.—Carried.

It was moved and seconded that Messrs. Carroll, Harris and Higman be appointed a committee.—Carried.

Mr. Allison said that the photographer was waiting outside ready to take a group picture of the convention.

Mr. Harris suggested about the election of members on different committees. He thought it advisable to have the chairman of each committee say who he would like as members on a certain committee he may have to organize.

Moved by Mr. Carroll, seconded by Mr. Sadler, that a vote of thanks be tendered Mr. Briggs, the treasurer, who is ill, he not being able to attend the convention.—Carried.

Moved by Mr. Allison, seconded by Mr. Wright, that the members of the convention

go and get their photographs taken, as the photographer was waiting for them.—Carried.

After adjournment the association resumed their session at 10.35, Vice-President Smith in the chair. The roll was called.

Lieut.-Col. Massey said he just dropped into say a few words, and wish the convention success in its deliberations. (Applause.)

MASTERS AND MANUFACTURERS.

The chairman spoke a while on the position of the association to the wholesale men, and as to the fault of men going around with contracts they had on hand to wholesale houses, thereby giving the wholesale houses an advantage, and suggested that this matter be dealt with very carefully, and suggested that a committee be appointed to look into the matter. He also brought up the matter of a discount sheet.

Mr. Lamarche said that a committee had been appointed to confer with the Quebec members, and suggested that said committee withdraw from the hall for the purpose of interviewing the Quebec members and get them together.

It was moved and seconded that said committee withdraw from the hall and interview the Quebec members.

The president made some remarks concerning the per capita tax, and explained that a specified time should be given for having said tax paid in. Not more than one or two of the local associations complied with the regulations in this respect at present, and it was necessary for the well-being of the association that this should be enforced.

Moved by Mr. Allison, seconded by Mr. Denman, that the clauses embodied in the report of the committee on resolutions (which committee took up the various reports submitted to them) be taken up clause by clause by the convention.—Carried.

Discussion on the advisability of not taking customers to the wholesale show-rooms followed.

Mr. Lesperance did not think this was feasible in some instances.

Mr. Watson also thought it could not be done also for the reason that plumbers, as a general rule, have not the required selection of stock in order to satisfy their customers.

Mr. Pennington, of Windsor, concurred also in the above statement. He stated that a worse feature than the above was in plumbers taking a specification down to the wholesale house, thereby giving the wholesaler something to take advantage of in an unfair manner, etc. The whole question rests with the individual ability to do business without resorting to these methods, and

suggested that plumbers put on their bills some printed notice notifying the wholesale houses of the stand they take.

Mr. Allison stated that this could not be avoided in some instances, as incompetency in the plumbing business occasioned the advice of the wholesale houses sometimes, but suggested that men should not bring specifications to wholesale houses to work on.

Mr. Meredith concurred in the opinion of the last speaker.

Mr. Day wanted to know if quotations

in Montreal where the firms in that city help the plumber along this line instead of preventing him from doing business.

Mr. Watson differed from Mr. Harris, and instanced a case that occurred in Montreal lately.

Mr. Pennington further expressed his views on the question of appointing a committee to look into this, and instanced a case that occurred on furnace work, and deprecated the employment of agents.

Mr. Smith thought this ought to be dis-

Moved by W. H. Meredith, seconded by J. W. Harris, that the Provincial vice-presidents be considered alternate members of the executive committee, who may represent the member elected for his Province at the executive meetings, should such elected member be unable to attend.

Mr. Meredith questioned whether the motion was sufficiently plain, and thought the wording might be changed slightly.

Mr. Smith asked the members to refer to page 5, Article III. of by-laws.



GROUP OF DELEGATES AND VISITORS.

from wholesale houses would conflict with this.

Mr. Mansell spoke on the matter of wholesale men getting men employed to go around and by certain means get work from the plumber. He also said that discount sheets that were sent out were not worth the paper they were written on.

Mr. Harris stated that this complaint did not apply to Montreal, as things were only loose in one or two instances that he knew of, and he thought that a solution could only be arrived at by competency in the retail branch of the trade, and he told of instances

cussed before the local associations and then brought before this association.

Mr. Watson said he knew of several supply houses which did not act square in this matter.

Mr. Hogarth asked if the dealers were allowed to sell to others besides the dealers.

Mr. Smith replied in the affirmative.

Moved by Mr. Pennington, seconded by Mr. Higman, that a committee be formed to interview the supply men before they leave the city, and the committee be Mr. Harris, Mr. Pennington and Mr. Higman.—Carried.

Mr. Meredith : That clause will have to be changed in the by-laws.

Then ensued between several of the members a discussion on this point.

Moved by Mr. Allison, seconded by Mr. Lesperance, that a committee be appointed to consult with the jobbers and manufacturers, the committee to be Messrs. Pennington, Higman and Harris.—Carried.

The committee brought in the following report, after withdrawing into another room for a short time :

Quebec, June 30, 1898.

This committee ask the wholesale dealers and manufacturers not to meddle in any way or shape with the plumbers' business, viz.: Not to give prices on plans and specifications supplied them, either by contractors or plumbers; also, not to give prices to proprietors, or give them any information



J. Lamarche, Montreal, a Member of the Executive

in connection with plumbers' business, or inform any plumbing firm that such and such a job is going on.

JAMES PENNINGTON,
JOHN HIGMAN,
J. W. HARRIS.

Mr. Carroll asked if other reports which were not to hand on Wednesday had arrived yet.

The president said that three reports were already in.

A discussion ensued as to whether the resolution committee had completed their reports.

Mr. Pennington stated that the committee could not finish the business they had on hand on account of two reports not having arrived yet, viz., the report from Messrs. McKinley, of Ottawa, and Dooty, of St. John.

The resolution committee then retired to finish up the business they had on hand, as far as they were able under the circumstances.

Inquiry was then made regarding the secretary's and treasurer's reports, and as to whether they were ready yet to be gone through with.

Mr. Smith said they would be ready during the afternoon.

The committee appointed to look after the soil pipe question, viz., Messrs. Harris, Higman and Carroll, asked leave to withdraw and confer together.

Moved by W. H. Meredith, seconded by Mr. Hogarth, that the first order of business

in the afternoon session be the election of officers.—Carried.

The committee on resolutions brought in its final report.

Moved by Mr. Pennington, seconded by Mr. Mansell, that the report of the committee be received, and that, there being no further business to hand yet for this committee, it be discharged.—Carried.

Mr. Carroll presented the report of the committee appointed to discuss the soil pipe question.

Moved by Mr. Denman, seconded by Mr. Allison, that the report be received and adopted, and that a copy of the same be sent to the soil pipe manufacturers and that the committee be discharged.—Carried.

Mr. Carroll spoke, further explaining this committee's report.

Mr. Mansell asked when the agreement runs out between the soil pipe manufacturers.

A PERMANENT SECRETARY.

Moved by Mr. Allison, seconded by Mr. Lesperance, that a paid secretary be appointed permanently for the Master Plumbers' Association, such being necessary, on account of the large amount of work to be done.

Messrs. Watson, Allison and Hogarth spoke in favor of the above.

Mr. Denman discussed the question from the per capita tax standpoint.

Mr. Smith suggested that the duties of the paid secretary be guided by the executive committee.

Mr. Denman suggested moving carefully in the matter, as there were still quite a number out of the order, and expenses should be limited so that initiation fees should not have to be raised, as it would be detrimental to the increase of the membership.

Mr. Pennington suggested that a committee be appointed to look into the whole question.

Mr. Harris suggested that a certain salary should be discussed and what per capita tax could be guaranteed.

This question of appointing a permanent paid secretary was also discussed by Messrs. Denman, Smith and Mansell.

Moved by Mr. Mansell, seconded by Mr. Pennington, that a committee be appointed for the purpose of taking up this matter.—Carried.

Mr. Carroll stated that the certificates of membership were printed and ready for distribution, and as to whether the members of the association should purchase them individually was left to the discussion of the convention.

Mr. Smith explained that the idea of issu-

ing these certificates was to convey strength to the order. The question arose as to whether a charge should be made for them or not, and he suggested that some clause be printed on the certificate, stating that it was the property of the association, and in order to retain it a member must be in good standing in the association.

Mr. Hogarth approved of this plan.

Mr. Carroll suggested that when a firm was represented only one certificate should be sent.

Moved by Mr. Carroll, seconded by Mr. Harris, that a certificate of membership be given with such a clause mentioned therein.—Carried.

Mr. Carroll thought it advisable to form a committee for the purpose of nominating officers, and he cited page 70 of the annual report.

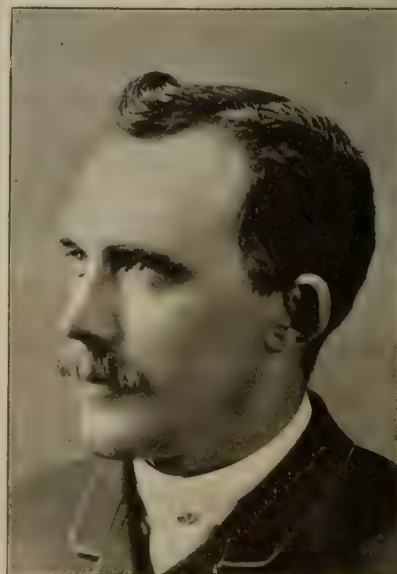
Moved by Mr. Meredith, seconded by Mr. Day, that a nominating committee, consisting of 5, be appointed to bring in a list of names for the election of officers for the incoming term early this afternoon; the committee to be Messrs. Allison, Meredith, Watson, Sadler and Crump.

Mr. Pennington inquired if the per capita tax had been paid by each member of the association, so that they would be in good standing in case a vote had to be taken?

It was moved and seconded that the convention adjourn to the afternoon session.—Carried.

AFTERNOON SESSION—THURSDAY.

At 3.30 p.m. President Wright called the convention to order.



P. J. Carroll, a Montreal Delegate.

The president enquired if any report had yet come from the manufacturers.

Mr. Harris stated that a conference could be called for 5 o'clock.

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THE OFFICERS.

Mr. Meredith brought in the report of the committee on nominations which reported finally as follows :

To the President, Officers and Members of the National Association of Master Plumbers :

Your committee on nominations would recommend the following names as officers for the ensuing term :

President, Wm. Smith, London.

Vice-President, J. W. Harris, Montreal.

Treasurer, W. H. Meredith, Toronto.

Secretary (pro tem), W. Mansell, Toronto.

Elected members of executive committee: Ontario, A. Fiddes, Toronto. Quebec, J. Lamarche, Montreal. New Brunswick, Thomas Campbell, St. John, N.B. Nova Scotia, M. Day, Halifax.

Provincial Vice-Presidents: Ontario, John Higman, Ottawa. Quebec, E. Lesperance, Montreal. New Brunswick, J. Doody, St. John. Nova Scotia, G. A. Perrier, Halifax. Manitoba, F. Stevenson, Winnipeg. British Columbia, M. J. Barr, Vancouver.

All of which is respectfully submitted.

K. J. ALLISON, chairman.

W. H. MEREDITH,

JAS. A. SADLER,

JAS. G. CRUMP,

T. W. WATSON.

In the first report of the committee the name of Mr. Carroll was brought forward as treasurer, but Mr. Carroll declined.

Moved by W. H. Meredith, seconded by Jas. A. Sadler, that the report of the nominating committee be adopted.—Carried.

There being no other nominations (after the usual procedure), the above were declared by the president elected to their respective offices.

Moved by Mr. Denman, seconded by Mr. Christie, that the newly elected officers be escorted to their seats.—Carried.

The new president was thereupon escorted to the chair by Mr. Lamarche, amidst applause.

Mr. Lamarche in his address stated that it afforded him great pleasure in escorting to the chair one of the worthiest members of the association, and also one of the hardest workers.

President Smith, on rising, was received with continuous applause, and, after thanking the members for electing him to the highest position the convention could bestow, stated that what little he may have done he had executed it with the object in view of pushing the interests of the association more prominently to the front, and he would endeavor to fill the position to the best of his ability, etc.

In like manner, the next elected vice-president was escorted to the vice-chair, and he made a brief address, thanking the association for the honor they had conferred upon him, and hoped the various officers would support him in the performance of his duty.

Mr. Harris also spoke in the French

language for the benefit of the French members of the convention.

Mr. Meredith also made a few pleasing remarks, thanking the convention and soliciting their co-operation.

The secretary, Mr. Mansell, also made some appropriate remarks relative to the occasion.

Moved by Mr. Watson, seconded by Mr. Lesperance, that a vote of thanks be tendered the retiring officers for the duties accomplished during the past year.—Carried unanimously.

The past president, Mr. Wright, thanked the convention for their help during his term just expired, and suggested the association taking a united front and pulling together, shoulder to shoulder, and that every member become interested in the various details of the questions to hand, and he hoped the



Wm. Briggs, ex-Treasurer.

new officers would receive the individual support of the members in their endeavor to have its discussions amicably settled.

Mr. Mansell stated that the secretary's and treasurer's reports were now ready and that they be handed to the committee who had them in charge yesterday.

Mr. Lamarche reported that a committee be appointed to wait on the Quebec men, and that they confer with them. The committee, composed of Messrs. Harris, Wright and Lamarche, thereupon withdrew to confer with the Quebec plumbers.

The report of the committee was read as to the appointing of a permanent secretary. The committee deciding that it was advisable to do so.

Moved by Mr. Hogarth, seconded by Mr. Meredith, that report of above committee be received and acted upon, and herewith receive due consideration.—Carried.

Moved by Mr. Hogarth, seconded by Mr.

Sadler, that the communication be opened up for discussion.—Carried.

Then followed a discussion as to the advisability of the convention issuing a "Bulletin" periodically in the interests of the association, and that the proceeds from the advertisements that might be secured could be used for the purpose of paying the salary of the secretary.

In the discussion that followed the opinion of the convention was pretty evenly divided about the desirability of going into the "Bulletin" venture.

Mr. Mansell suggested that they should realize \$100 of the "Bulletin" from the members.

Mr. Carroll stated that to ensure the despatch of business the secretary should reside in the same place where the president resides.

Mr. Lesperance stated that was the way it was done in New York.

Mr. Smith said that a paid secretary would be able to get in as members all the men represented in small towns.

Mr. Lesperance thought it best to appoint a man who could write and converse in both French and English.

Mr. Smith stated that it would be advisable to have the secretary appointed by the executive.

Mr. Burns emphasized the advisability of having an organizer to also act as secretary.

Mr. Mansell suggested that Mr. Lesperance be appointed organizer for Quebec, and Mr. Higman for Ontario.

Mr. Higman thought they could not get along without a permanent paid secretary, he would be willing to donate \$5 along with the \$25 Mr. Wright donated, to help them out if they did not succeed in raising the required amount.

Moved by Mr. Sadler, seconded by Mr. Pennington, that the secretary be instructed to write a communication to the Dominion Heating and Supply Association.—Carried.

Moved by Mr. Lesperance, seconded by Mr. Montpetit, that the secretary of the Dominion Association be a man who could write and speak both French and English.—Carried.

The president stated that it would ensure the despatch of business if the secretary resided in the same town that he (the president) resided in.

A discussion ensued regarding the printing of the reports of the association.

Mr. Carroll stated that the reports should be got out in French and English.

Mr. Mansell advised that Mr. Beale be engaged to work on the reports until completed, which was decided on.

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NEXT PLACE OF MEETING.

A discussion here ensued as to the next place of meeting of the national convention, and London, Ottawa and Halifax were in the field.

Moved by Mr. Higman, seconded by Mr. Denman, that the next meeting place of the convention be Ottawa.—Carried.

Mr. Lamarche said that the committee appointed to interview the Quebec association had received gratifying encouragement, and they had reason to believe that the above association would be on a better footing than ever before.

Some discussion here transpired regarding the internal complications of the St. John association.

It was moved and seconded that the affairs of the St. John association be investigated.—Carried.

The secretary read a letter from Mr. Doody, with reference to the mix up in the St. John association, about the matter of Nova Scotia members, who should have been put on as New Brunswick members.

A discussion ensued, led by Mr. Lamarche, regarding the admission of representatives of supply houses to meetings under certain conditions, and to authorize the executive to recommend the same.

Mr. Meredith thought they were making a mountain out of a mole hill in this matter.

Mr. Wright stated that in Boston they allowed the supply men into the meetings, but, whenever any discussion was liable to come up with reference to individual interests, it was understood that they were to retire.

Mr. Mansell said he would like to see the opinion of Mr. Lamarche carried into effect, but he did not think it was feasible, and instanced some cases in Toronto along this line.

Mr. Lamarche stated that a better feeling might result between the two parties, and differences could then be adjusted more easily if the wholesalers could be allowed in.

Mr. Denman did not agree with Mr. Lamarche, and said that they would not admit the representatives of supply houses to any of their deliberations.

Mr. Harris, also, did not think it advisable.

After the discussion had been on for a short time, for and against this idea, Mr. Lamarche withdrew the motion he had proposed.

On account of a vacancy in the executive board, brought about through some changes, Mr. Wright moved, seconded by Mr. Lamarche, that Mr. Russell, of London, be appointed a member of the executive board.

Mr. Mansell sent in his resignation to the secretaryship, in order to comply with the

contemplated change in the by-laws, viz., the appointment of a paid secretary.

Moved by Mr. Meredith, seconded by Mr. Harris, that Mr. Mansell's resignation be received and left at the discretion of the executive committee.—Carried.

The secretary read the reports of the secretary and the treasurer, in so far as they could be completed, but, owing to their not being complete, occasioned through the illness of Mr. Briggs, they were not to be given out for publication. The reports, in so far as they were completed, showed a balance on hand of \$217.48.

Moved by Mr. Carroll, seconded by Mr. Wright, that the auditors' report be received and the auditors be discharged.—Carried.

Moved by Mr. Carroll, seconded by Mr. Wright, that the accounts outstanding be paid at an early date.—Carried.

The newly elected treasurer said that for



A. Fiddes, a Toronto Delegate.

his part he would see that all accounts passed would be paid promptly.

Mr. Lamarche brought in the report of the jobbers.

Moved by Mr. Harris, seconded by Mr. Meredith, that the national association do all in their power to cement the interests of the two parties.—Carried.

Mr. Harris also expressed himself in French, with reference to the above, to the French members.

A discussion then arose about the conflicting statements occurring on page 85, Article III. which says as follows:

"Its officers shall consist of a president, vice-president, vice-president from each Province represented, financial and recording secretary, treasurer, and executive committee.

"The executive committee shall consist of the president, vice-president, financial and recording secretary, treasurer, retiring president, and a delegate from each Province represented in the association, who shall be elected at the annual meeting. The president shall be chairman of the executive committee."

This was decided to be left in the hands

of the executive committee so that the wording will not conflict with new motions that have been brought up relating to vice-presidents being on the executive committee.

REPORTS TO BE IN FRENCH AND ENGLISH.

Moved by Mr. Denman, seconded by Mr. Lesperance, that the reports be printed in French and English, and the reports be delivered early in September.—Carried.

Moved by Mr. Watson, seconded by Mr. Carroll, that all the expenses of the delegates be in by August 1, and that any that may come after that date will not be recognized.—Carried.

Mr. Harris stated that he took it upon himself to invite all the plumbers of Quebec to the banquet.

Moved by Mr. Carroll, seconded by Mr. Wright, that a vote of thanks be tendered to the confreres in Quebec for their kindness shown to the master plumbers and wholesale dealers.—Carried.

Moved by Mr. Watson, seconded by Mr. Lesperance, that a vote of thanks be tendered to the Victoria hotel, Quebec, for the manner in which they have entertained the convention.—Carried.

Moved by Mr. Wright, seconded by Mr. Meredith, that a per capita tax, relating to the expense of printing the annual report, be left in the hands of the executive committee.—Carried.

The president then referred to having a representative of **HARDWARE** in their midst, for the purpose of reporting the convention, and stated that the publishers of **HARDWARE AND METAL** were always alive to the interests of plumbing and steam heating. It being the only Canadian journal that represented that trade in Canada, and from the fact that they intended to push matters relating to the plumbing interests of this country more extensively in the future, he advised every plumber, in order to be up-to-date, to subscribe for **HARDWARE AND METAL**.

The representative replied briefly, thanking the convention on behalf of the publishers, for their kind words, and stated that the firm would always have the interests of the association at heart, and advocated the harmonious working together of the association with the publishers in seeing that plumbing interests come more rapidly to the front than in the past, and emphasizing the mutual advantages to be gained from this.

Moved by Mr. Meredith, seconded by Mr. Pennington, that the convention do now adjourn to meet in Ottawa in 1899, at the call of the executive.—Carried.

The convention then closed.

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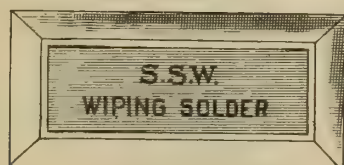
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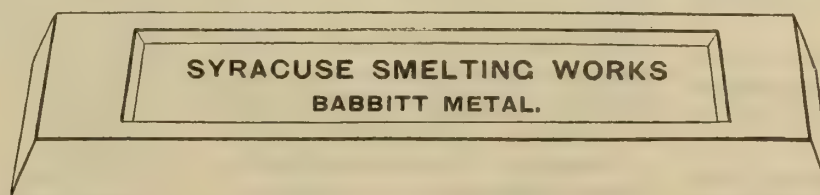
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William Street, MONTREAL

ers' Gas, Steam and Hot Water Fitters, were wise, in many respects, in their choice of Quebec as their place of meeting.

In the choice they have made of the various cities at which the association has been held of late years, and the various interests that become a prominent feature of each city they have held the convention in, enables them to get down to business and have that business discussed from almost every standpoint, enabling them to cover the ground more thoroughly than in meeting around certain localities when the business associations are the same.

What a charm has the name Quebec held in the minds of this cosmopolitan population of ours!

The first deputation of delegates for the convention arrived by boat on Tuesday morning, and consisted of a number of representatives from Montreal, Toronto and Halifax (about 40 in all).

They were driven up to the Victoria hotel, where a few of the Quebec deputation were on hand to welcome them.

The hall where the convention held its session was a large room in the Victoria hotel. The Mechanics Supply Co., of Quebec, of which Mr. Wiggs is the manager, furnished two rooms in the hotel parlors for the accommodation of the delegates. Mr. Wiggs and his confreres also provided a varied assortment of books, papers, etc., relative to plumbing and heating interests.

The following delegates were in attendance: J. Burns, E. Lesperance, James Sadler, Thos. Forest, T. Christie, J. Brunet, P. J. Carroll, J. Watson, J. W. Harris, M. Montpetit and Joseph Lamarche, all of Montreal; J. Higman, Ottawa; M. Crump and M. Day, Halifax; H. Hogarth, J. K. Allison, J. Meredith, Joseph Wright and W. Mansell, Toronto; J. Pennington, Windsor; C. E. Picard, Quebec; Wm. Smith, London; Joseph Wright representing Vancouver, and Wm. Smith representing St. Thomas, as these places were unable to send delegates.

The executive held a session in the morning, discussing the various matters to be brought before the convention; also the reports.

At 2.30 in the afternoon, the first general meeting of the convention took place, and several matters of vital import were discussed, such as the relation of the plumber to the wholesale or supply house, and the various methods to be employed to prevent friction between them.

An evening session was held at 8 o'clock, in the same place.

The morning sessions on Thursday were

interspersed with pleasure. After a short adjournment, a group photograph was taken of the convention, at which several of the supply men and wholesale houses, including the Quebec plumbers, were represented. Sessions continued during Thursday afternoon, at which the business of the association was concluded.

The election of new officers for the evening session resulted in the election of W. Smith, of London, as president; J. W. Harris, of Montreal, as vice-president; W. Mansell, Toronto, as secretary (pro tem), and W. H. Meredith, Toronto, as treasurer. On Thursday evening, invitations were sent out by the supply houses and Quebec deputation to attend a banquet, and at 9.30 over 100 guests assembled in the Victoria hotel, where long tables, profusely decorated with ferns, and an elaborate menu awaited the assembled guests. The arrangements were carried out in good form, and the toasts, responses, and speeches showed evidence of friendly relations being established between the supply houses and the retail trade.

About 9 o'clock on Friday morning, a drive to all the various interesting points in the city and a reception by Mayor Parent took place.

During the afternoon, an excursion to the celebrated shrine of Ste. Anne de Beaupre, over the line of the Q., M. & C.R.R., was indulged in by nearly 200 plumbers and invited guests, among whom were a number of the fair sex. On the return journey, a stop was made at Montmorency, to allow the excursionists to see the falls.

The names of the supply men who had representatives at the convention were: P. McMichael, of The James Robertson Co., Limited, Toronto and St. John, N.B.; W. Robinson and L. Payette, of Warden King & Son, Montreal; J. M. Taylor, of The Toronto Radiator Co., Toronto; E. Hebert, of H. R. Ives & Co., Montreal; H. McLaren & Co., Montreal; W. H. Wiggs, of Mechanics Supply Co., Quebec; L. H. Gaudry, Quebec; Col. Massey and R. Lockhart, of The Gurney-Massey Co., Montreal; Geo. Moffatt, of The Robert Mitchell Co., Montreal; Charles Robertson and A. A. Robertson, of The James Robertson Co., Limited, Montreal; Geo. H. Booth, of Toronto Steel Clad Bath Co., Toronto, and A. Saunders, of The Goderich Organ Co.

One of the most pleasing features of the convention was the drive through the city and stoppages made at all the principal places of interest. At each architect's and plumber's shop the delegates gave three cheers and a tiger, while the jobbers tooted

their horns and made a general uproar. When passing Wolfe's monument on the Plains of Abraham, "God Save the Queen" was sung most enthusiastically, led by Mr. Wright, the president.

A number of delegates, who attended the convention, left by the R. and O. boat for Montreal on Friday evening, the remainder staying until Saturday with friends in the city.

The Mechanics Supply Co. had two elegantly fitted up parlors for the use of the delegates, and Mr. W. H. Wiggs was always on hand with some of his employees to look after their interests. They also showed some nice samples of "Safford" radiators. At the close of the convention they distributed the new catalogue of the "Daisy" boilers, as well as a souvenir book entitled "Quebec of To-Day." It was very much admired.

SPECIALTIES FOR THE FALL TRADE.

J. Burns & Co., Montreal, have a range, advertised elsewhere in this paper, that has several improvements worthy of mention, viz.: It is made of heavy, cold rolled sheet steel, with non-warpable covers, all parts reinforced; heavy, ventilated oven, 23 x 18 inches, with double compartment for shelving, end of range provided with double thicknesses of steel and heavy sheet of asbestos between, in order to retain heat and avoid contact of cold air. All bright parts are heavily nicked so as to stand washing with soap and water without injury or tarnish. The fire box is fitted with our patent grate. Door frames, supports, braces, etc., are all wrought iron, hand-forged and welded, and combine minimum lightness with maximum strength.

Bailey, Donaldson & Co., No. 1 St. Peter street, Montreal, have something new in the market, in the line of windmills, which they claim are superior to some on the market, being one-third heavier, also automatic and self-regulating. The gears are all covered to protect them from sleet, etc. They also keep in stock a complete line of pumps, and have, as a specialty in this line, an anti-freezing well pump that is selling fast.

The "Leader" stove and "Grand Universal" range are proving ready sellers in the stove line this season. They have also a "Jubilee Cook" that is coming rapidly to the front. The reputation of the firm who make these stoves is well established, and the orders they have already booked for the fall trade are an indication that Clendinning & Son, the manufacturers, have something good to place on the market. Factory, corner Vinet and Albert streets St. Cuneonde.

AGENTS WANTED.

THE SILVERINE MANUFACTURING CO., makers of Silverine Stove Polish, Inks, Concentrated Lye, Harness Dressing, Brass Polish, etc., wants reliable agents in Halifax, St. John, N. B., Quebec and Winnipeg. Address, S. M. C., care HARDWARE AND METAL, Montreal. (28)

BI-METALLIC PLATED

Full S
Basin Trap.
VENTED.



Style full S, Vented;

price, including Plug, Stopper,
Wall and Floor Plates :

1 1/4 in.
\$2.15

1 1/2 in.
\$3.00

WHY use or specify Nickel-Plated BRASS
GOODS now that

NICKEL

Bi-Metallic Plated Goods

Are sold for less money? Remember, the **inside** of Bi-Metallic Plated Traps, etc., is **perfectly smooth**, while the **inside** of a brass trap is very rough. **BI-METALLIC** Plated Goods are **cheaper** and **more easily fitted** than brass goods. Bi-Metallic Plated Goods should be given **preference** over brass goods because they are **much cheaper**, and should be used **instead of common lead traps, etc., because they add very much to the appearance and cleanliness of the work and cost but little more.** They are **WELL WORTH THE DIFFERENCE.**

See.
Try, Buy,
Specify

BI-METALLIC PLATED GOODS

For all Open-Work
Plumbing.

ONTARIO LEAD & WIRE CO., Limited
Toronto, Ont.

Importers and dealers in

Plumbing and Steam Fitters' Supplies.

WRITE FOR OUR PRICES.

Factory—55, 57 and 59 Richmond St. East.

Office—54 and 56 Lombard Street.

Telephones—763 and 1092.

WRITE FOR CATALOGUE

HEATING AND PLUMBING

A TALK ON BRASSFOUNDING *

BY CHARLES VICKERS

BRASSFOUNDING, like most other trades, naturally divides itself into classes. One foundry makes a specialty of plumbing goods, another of chandelier fittings, while another will devote itself to making machinery castings generally.

Plumbing goods comprise, as the name signifies, all brass goods used by plumbers, such as faucets, waste cocks, ferrules, etc.

Yellow brass is the metal generally used, and the work is of such a character that the patterns can be carded, namely, attached to match plates or boards, or else "gated," that is, a sufficient number of patterns to fill the standard size of flask, are riveted or soldered to the gate, practically forming one pattern. Both "plate work" and "gate work" have their own individual spheres of usefulness, but the writer believes, from his own experience, that it is better to put the patterns on plates in preference to gating them, whenever it is possible to do so. Bibs and cocks, with their component parts, such as plugs, handles, stems, etc., and globe and other valves, the parting lines of which are straight, can be all made by the match-plate system, thereby saving the time that would be expended in making matches, trimming the joint of the mold, etc., as is necessary with gated patterns.

In order to turn out this class of work to the best advantage first-class flasks should be provided and kept in good condition. Interchangeable flasks are almost a necessity on plate work, as the plate must fit on the pin valves of flasks, which are used as novels.

A yellow brass, called dipping metal, is generally used for chandelier castings. This class of work is mostly light and ornamental in character. Much of this work is skin dried by spraying with gasoline and then burning off.

There is quite a knack in pouring, as the metal must be thrown into the mold with force enough to run, and at the same time not strain the casting.

No branch of the foundry business calls for more individual skill on the part of the molder than that of machinery brass work.

Not only must the workman be equally at home on floor or bench, but he must be prepared to turn out castings in a dozen different alloys, each of which has its own

peculiarities in changing from the liquid to the solid state, which peculiarities must be humored in the construction of the mold, or trouble will ensue.

Some alloys, as, for example, phosphor bronze, require the mold to be rammed more than ordinarily firm, while, in the case of aluminum bronze, we must go to the other extreme, and ram it exceedingly soft, so that the mold will not resist the excessive contraction, otherwise the casting will be drawn apart.

Phosphor bronze shrinks but little, but, if poured too hot it will eat into a green sand mold almost like water; to prevent this, it is poured cool into such molds. It can, however, be poured hot, provided the mold is well coated with plumbago, and then baked before casting.

Chain guards for ladies' bicycles are a class of work that sometimes cause a great deal of trouble. They are made of aluminum, and the trouble is caused by their cracking. After repeated trials, one firm, with which the writer is acquainted, made them successfully by soft ramming, gating them with two broad, thin gates on the sprocket wheel end, and elevating the spruce end six inches.

The metal was thrown in at a dark red temperature, and immediately the copes were thrown off, while the metal in the sprues was yet liquid.

On small, loosejobbing work, when there is more than a dozen pieces required, it will pay to make "set" gates, as they save the time consumed in cutting and slicking the gates, besides producing cleaner castings. They are easily made as follows: Make a mold, cut the gate as required, leave the patterns in, close the cope and pour into the gate cavity tin at a low temperature so as not to injure the patterns if they are wood. Should there be any castings previously made from these patterns, draw the patterns

and substitute the castings, before closing and pouring the mold.

In making heavy brass work it is advisable, whenever the shape of the pattern will permit, to pour from the bottom exclusively. Take for instance a brass bushing weighing, say, over 500 pounds. Suppose the pattern is 18 inches in depth, three or four feet in diameter and anywhere from 1½ to 2 inches in thickness and has a green sand core in the centre. The casting had better be poured with two pots, and gate at the bottom through runner cores. When the metal will impinge on the green sand core, a piece of dry core is built in to prevent scabbing. The runner which leads the metal from the joint to the bottom of the mold should be about one inch in diameter. From the joint up, through the cope, it is enlarged to between two and three inches in diameter, thus we get metal to feed, and keep the gate solid. A so called skim gate is used in pouring. About four inches distant from the aforesaid runner with its riser, another runner cuts through the cope, to the joint; it is connected to the riser of the first runner by a horizontal channel cut in the cope. This channel must taper from the runner, to the riser, like a nozzle. It is comparatively small at the junction with riser.

Here is the point where care and judgment must be used. If it is too large it will take the metal too fast, making it impossible to keep the pouring head full, and the scum will enter the casting, showing up as dirt. If it is too small it will not take metal fast enough, and the casting may not run, as it is poured rather cool. When pouring, as the pots empty the stream naturally grows smaller, this is another point to be watched or the head may sink, and the whole of the bubbly scum be sucked into the mold. When the head is successfully full, this method of gating gives clean castings.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

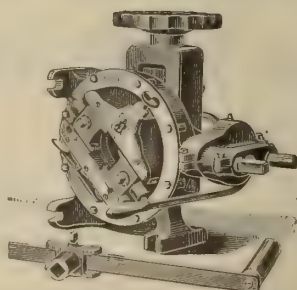
Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.

THE ARMSTRONG MFG. CO.

New York Office,
139 Centre Street

Bridgeport, Conn.



New No. 0 Threading Machine.

* Read at the Cincinnati meeting of The American Foundrymen's Association.

In order to feed and prevent shrinking in the casting, we have been considering it is prudent to put on a riser of 3½ inches in diameter. It must not be put on top of the casting, but about an inch away from it anywhere where convenient, connected with the casting by a good deep gate, filleted so as to break off hot, without breaking in. Carry the feeder up four inches above the cope. When the mold is filled, cover the pouring head and top of runner riser with sand, bed on a weight, then fill up the feeder head. Shake out while hot, break off feeder and runners, and scrub the casting with a spade.

As the making of alloys of copper is a subject that has been ably and extensively dealt with by writers, and before this association, it would be only repetition to mention the same here, further than to remark, that it is very seldom that the practical metal mixer gets a chance to use wholly new materials. The scrap brass must be used up somewhere, and it is generally cheaper than a new mixture. To use it judiciously is where the art of metal mixing comes in. The mixer must be able to judge of the quality of the metal in the different pieces of scrap as he sorts them out.

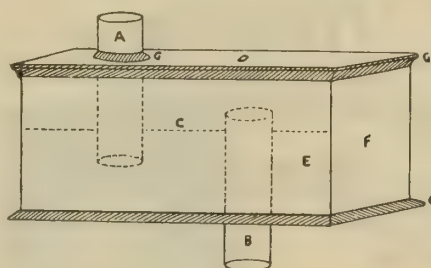
Bells, bearing brasses and bushings are, as all practical men know, generally hard brass. Car brasses justly come under suspicion, they are often made of old copper buttons and scrap containing iron. They must be used sparingly in finished work. Valves and small red brass scrap are generally soft, and may be used accordingly. Soft brass may be stiffened by the addition of hard scrap and porosity guarded against by adding heavy yellow brass scrap.

Scrap metal has a great tendency to make dirty castings; guard against this by cleaning the metal before pouring. Bring the metal from the furnace hot, add the new metal mixture. After stirring thoroughly scrape down the sides and bottom of the pot, inside, with the skimmer, which had better be of ¾-inch round iron; stir again and skim off. If the metal is hot enough, there may be time to repeat the stirring and skimming. A surprising quantity of dirt is removed from the metal in this way. When pouring, bridge the lip of pot with skimmer, holding back all dirt. The writer has made key heads, scaling thirty pounds each, with only 1-16-inch stock allowed on both sides for finishing, out of common scrap by using care as aforesaid, and not lost one out of sixty.

The St. Thomas City Council have granted \$9,000 for the erection of two new schools in that city.

OLD TIME PLUMBING.

A REPRESENTATIVE of HARDWARE AND METAL was recently shown a specimen of old time plumbing work that cannot fail to interest readers who are connected with the ancient craft. It is a trap constructed of sheet lead weighing about six pounds per foot, and is in a perfect state of preservation. As it has been in constant use for about 50 years it proves conclusively that lead is a durable material when of the quality used years ago; also that the workmanship was of an honest and skilful character. It was taken from a residence in the west end of Montreal,



A the dip pipe or inlet. B stand pipe or outlet. C water line. D top and bottom. E F sides and ends. G G G joints wiped in the usual way. The size of the trap is 13 inches long, 9 inches wide, 7 inches deep. The depth of the water seal is about 2½ inches, and size of the inlet and outlet 4 inches; the upright corners are wipe jointed.

and from its position was undoubtedly fitted at the time of the construction of the building. It served to trap the overflow of a rain water tank and the waste of two sinks. A cut and description of this interesting specimen and a description of its method of construction is herewith given. It may be seen at Mr. F. W. Hughes', No. 2 St. Antoine street. Mr. Hughes will be pleased to receive at any time anything of a similar nature with a view to preserving the same to form the nucleus of a plumbing museum, in connection with the Montreal Master Plumbers' Association. HARDWARE AND METAL trusts its readers will remember this, as such a museum will be both interesting and of value as an educational feature.

PLUMBING AND HEATING NOTES.

Building operations in Goderich, Ont., are exceptionally brisk.

Grenier Freres, plumbers, Montreal, have dissolved, F. X. Grenier continuing under the old style.

Partnership has been registered under the style of H. Dion & Co., artificial heating mfrs., Montreal.

The value of the building permits issued in Hamilton, Ont., during June, was \$22,490, against \$23,590 in the same month in 1897, a decrease of \$1,100.

The use of acetylene gas is steadily increasing in Canada. It has already found its way into all sections of the eastern Prov-

inces, and now the proprietor of a hotel in Golden, B.C., has commenced to use it.

Sarnia is this season enjoying quite a building boom. New buildings in numbers are under way in all parts of the town, but the principal seat of activity is, of course, the Fourth ward. Every contractor in town, we are informed, has his hands full, and all the available labor in the building trade is employed.—Sarnia, Ont., Canadian.

SIX MONTHS OF PERMITS.

During the first six months of 1898, building permits to the value of \$955,585 were issued in Toronto, as compared with \$448,371 in 1897, and \$345,300 in 1896. Each month since the beginning of the year has shown a larger aggregate than the corresponding during the two preceding years, as will be seen by the following monthly returns of permits issued:

	1896.	1897.	1898.
January	\$ 2,950	\$ 11,725	\$147,570
February	73,710	10,700	78,510
March	32,690	58,270	176,600
April	81,635	117,175	208,340
May	63,515	102,526	178,745
June	90,800	138,975	165,820

The total value of permits issued during the whole of 1897 was \$949,310, and during 1896, \$646,768. A large proportion of the new buildings erected were new warehouses, or factories, or additions to the same, caused by increases of business in many business houses, but the bulk of the permits were for brick residences of the better classes. A large proportion of the residences constructed have been erected in Rosedale, though all portions of the city have had their quota of new edifices.

That there is no slacking in the demand for permits is evidenced by the fact that in the first three days of this week permits have been issued to David Williams, for a pair of semi-detached, two-storey and attic brick residences at the corner of Lowther and Brunswick avenues, to cost \$4,000; to W. J. McGuire & Co., for a three-storey, brick addition to 86 King street west, to cost \$2,000; to the Land Security Co., for alterations to the twine mills, near Hamburg avenue, at the rear of Bloor street, to cost \$1,400; to James Corolin, for a two-storey and attic, brick dwelling, at 352 Bathurst street, to cost \$1,800; to The James Robertson Co., Limited, for a one-storey addition to their color works at Dorset street, near King, to cost \$2,000.

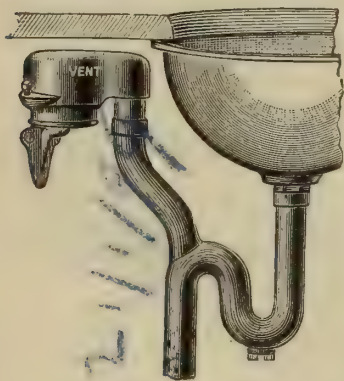
SPECIAL TO THE PLUMBING FRATERNITY.

For coating and painting upon all metallic surfaces, the Diamond graphite paint, manufactured by the Canada Paint Company, whose headquarters are in Montreal, with branches at Toronto and Victoria, is

TO BE UP-TO-DATE

Make money, save money, and
satisfy your customer, use

McClellan's Anti Syphon Trap Vent.



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Thos. Robertson & Co., Limited, - Montreal
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The Jas. Robertson Co., Limited, - Toronto
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The Mechanics Supply Co. - Quebec
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And all Wholesale Dealers.

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Jobber and Commission
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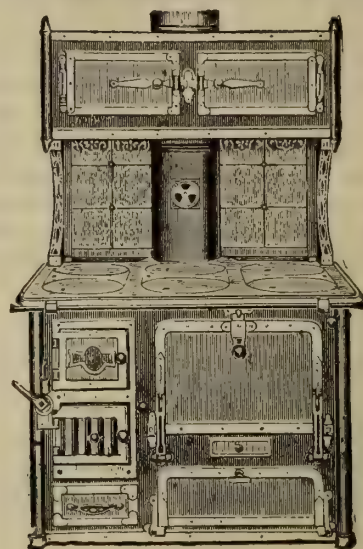
Plumbing, Heating and Building Materials

Office and Show Room,

101 St. John Street,

— QUEBEC.

The BURNS PERFECT STEEL RANGE



It is easy to manage and keep clean.
It is durable and asbestos lined.
It is economical in fuel and a perfect baker.
It is fitted with the Burns Patent Perfect elevating
grate, which can be raised or lowered at will, mak-
ing a shallow or deep fire as required.

JOHN BURNS & CO.

Manufacturers

775 Craig St., - MONTREAL

HEADQUARTERS for PLUMBING SUPPLIES



THE **James Robertson Co. Limited** Montreal

strongly recommended. It has been largely used upon radiators with great success, as the Diamond graphite will outlast any other covering. For joints, this company made the Graphite Joint Paste, which is highly spoken of, and will be appreciated by mechanics and the trade generally.

PLUMBING AND HEATING CONTRACTS.

ROBERT ROSS, plumber, etc., 1347 Queen street west, Toronto, has contracts for the alterations to the plumbing of the Rossin House, King street, the plumbing of six houses on Brunswick avenue, the heating and plumbing of a residence for Wm. Scott on Cowan avenue, and the plumbing of a residence for John Beattie, Mimico.

Beavis & Cook, Church street, Toronto, have the contracts for the plumbing of a residence for Mrs. Clifford on Austin avenue.

J. R. Seager, Queen street west, Toronto, has contracts for the plumbing of four residences on Dundas street, and for the plumbing and heating of a residence in Allandale for Mr. Morton.

Mashinter & Co., Adelaide street west, Toronto, have contracts for the plumbing of two residences for Thos. Henrick, at Strachan and King streets, and for the plumbing of the Jarvis street collegiate institute.

The Bennett & Wright Co., Limited, have contracts for the plumbing of the Toronto House of Refuge; for the steam-heating and plumbing of the Jamieson avenue collegiate institute, Toronto; for the heating of the Paris, Ont., post office, and the heating of a residence for Dr. Burt, of Paris; for the plumbing and heating of a new warehouse for the Heintzman Piano Co., King street west, and for the plumbing and heating of two residences for Drs. Peters and Preston, on College street, Toronto.

THE OIL DEAL.

A well known oil man, in conversation with **HARDWARE AND METAL**, made the following statement: "The article which has recently appeared in many newspapers stating that the Standard Oil Co. has acquired all the oil refineries in Canada, is somewhat wide of the mark.

"The acquisition of some small refineries will not materially affect the position of the Canadian oil industry, for the reason that the Imperial Oil Co., the largest refiner in Canada, still retain its interest, and will hold its old and thoroughly established position in the market as a purely Canadian concern.

"There is no doubt but the petroleum interest, so important to the country, will be carefully guarded."

We Lead in Axes

Our travellers are now taking axe orders for fall delivery. Our "Buffalo Bill" Axe is the best seller on the market. Reserve your orders for our travellers.

James Warnock & Co.

GALT, ONT.



The "SAFETY" ACETYLENE GAS MACHINE

The most simple and the safest machine made.

It does what other machines cannot do. It generates Gas Cool. It washes and purifies the Gas twice. Automatically removes the Ash from the Carbide. Leaves the Ash perfectly dry and thoroughly exhausted.

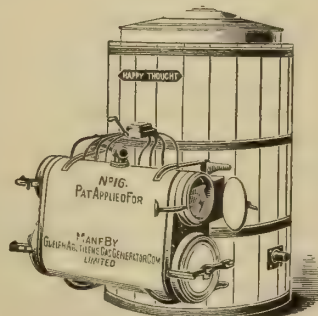
Every Machine Guaranteed.

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THE SAFETY LIGHT & HEAT CO.

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Proprietors and Sole Manufacturers for the Dominion of the celebrated **CLIFF-WARDLAW GENERATORS.**



ACETYLENE GAS

Perfect Light Perfect Safety

Our Machine is Automatic. Safe.

Sold only through the local Hardware and Plumbing Trades, etc.

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THE GUELPH ACETYLENE GAS CO.

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NOVA SCOTIA PAINT AND VARNISH WORKS.

Sole Agents for the Dominion for



HALIFAX, N. S., and 747 CRAIG STREET, MONTREAL.

CHARACTER IN THE THUMB.

"If you will allow me the Hibernicism," said a young lady of observation, "I would like you to note for me that the true index finger is the thumb. I do not mean that from the length of its phalanges you can find out whether there is a blonde divinity or a brunette fate awaiting you, or that from its spatulated or oval nail I can tell whether you like pictures or horse races—all that sort of digital conjuring I leave to the palm mysticists. But, what I do mean is, that the thumb is a remarkable indicator of its owner's bodily and mental condition.

"The new-born babe holds its thumbs in the palms of its hands, clenched in its little fists, and it is only when the mind and body both expand that it takes its thumbs out and holds them up as independent organs. What deep connection there may be between this fact and our simian ancestry I cannot say. Let mothers watch their children's thumbs, and, if they stick out boldly, it is an unfailing indication of good health and aggressive disposition, while, if they have a tendency to seek the shelter of the fingers, it means feeble health and subservient will.

"Just notice the thumbs of your friends, now, and you will see the same relations between their posture and the man's constitution of mind and body. The weak man's thumb is weak and pendent, and strong man's thumb is strong and erect.

"It may be treachery to my sex, but I don't mind telling you that it will be a good thing for you fellows to mark well the thumbs of the ladies of your choice. If the girl's thumb, be it ever so prettily rosy, has a tendency to stand at right angles to the hand—well, the gray mare will need a bit, that's all; while, if it lies flat or droops a little, you can count on martial submission to the master mind, and that's the sort of domestic paradise all you sons of Adam are looking for, isn't it?

"With the waning of the powers of frame and brain comes the depression, I had almost said the recession, of the thumb, and whether in senility or idiocy the thumb is always turned in. And then, when you turn your face to the wall and know no more summer's heat or winter's cold, those that stand about you and say: 'Well, poor old chap, he's gone at last,' will find that you have tucked your thumbs away in the shelter of your hands, just as you had them when you were a little baby."—The New York Sun.

NOT HURT BY DEPARTMENTALS.

A local merchant who does an extensive business tells us that the departmental stores do not hurt him in the least. He says people, as a rule, do not go back to these

places more than once. They soon learn that they can buy as cheap and infinitely better articles in their own towns. The success of the departmental stores depends altogether on their enormous advertising. The local merchant who advertises has nothing to fear in competition from outside sources. It is generally the man who does not spend a dollar in advertising who talks the loudest about buying in Toronto. Advertising is the secret of any successful business.—Victoria Warder, Lindsay, July 1.

RESURRECTION OF WINDSOR, N.S.

A notable example of the enterprise of a Canadian community is that manifested by the citizens of Windsor, N.S., since the fire in that town in October last.

In that great fire about \$2,000,000 worth of property was destroyed in a town of 3,000 population. A loss so serious as this might be expected to cripple a town of such a size, but the citizens of Windsor believe in their town, and already about 250 permanent edifices are under way. Of these, a good proportion are first-class business blocks, public buildings, etc., of brick and stone.

After the fire, a by-law was passed, making a district limit, in which none but brick buildings should be erected. This has been strictly enforced, with the result that the appearance of the business district will be very much improved when the buildings now in course of construction are completed.

The aggregate value of the brick buildings erected or in course of erection will be about \$225,000, of which \$33,000 will be for a school, \$11,000 for a new post office, \$13,000 for a new court house, and \$20,000 for a new hotel.

The number of wooden residences in course of erection is about 200, the approximate cost \$500,000, which, added to the cost of the brick warehouses, etc., will make a total of \$725,000 in new buildings, a remarkably good showing.

GOOD AND BAD WASHBOARDS.

In washing clothes much depends upon the soap or washing compounds used, but a great deal depends upon the washboards employed. There are a great many washboards on the market which are poor in both washing and wearing properties. What is wanted are frames that will not twist or warp, that are thoroughly ventilated and made of extra heavy zinc with hardwood frames and improved tops. This desirable description of washboard is manufactured by Boeckh Bros. & Co., of Toronto, who turn out ten different sizes and designs. Every board is branded "Boeckh," and is guaranteed. The "Boeckh" is a washboard which merchants can be recommended to handle.

"Tandem" Anti-Friction Metal

suitable for all purposes.



A For heavy pressure and high speed.

B For medium pressure and high speed.

C For low pressure and highest speed.

If your dealer does not carry this line, order direct from

Lamplough & McNaughton

Montreal

Wheelbarrows. ALL KINDS.



Send post card and get copy of New Catalogue. ⁵ ₁₀₀₀₀₀

Cleland Bros. & Co.

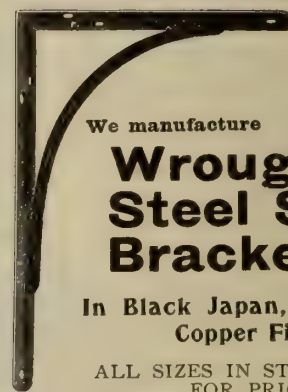
MEAFORD, ONT.

Eastern Agent—

ALEXANDER GIBB,

Telephone 2343.

22 St. John St., MONTREAL



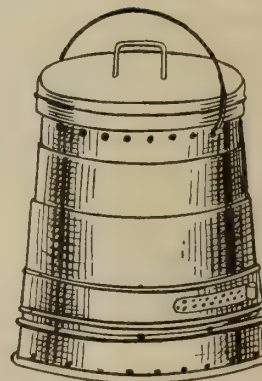
We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and Copper Finish.

ALL SIZES IN STOCK. SEND FOR PRICES.

H. R. IVES & CO., Montreal.



Mosquitoes, Black Flies, etc., are kept away with SMOKE from Wood, Bark, Twigs, etc., smouldering in The Patent Folding

"SMUDGE-STOVE"

Only weighs 14 oz. Folds up $4\frac{1}{2}$ x $3\frac{1}{2}$ inches. When well lighted, wood will smoulder and smoke in this stove for four hours. Everyone wants it. Keep them in stock. Price \$12.00 per doz. Ask your wholesaler for them.

HENRY IEVERS, Patentee, - QUEBEC

WINNIPEG, July 6, 1898.

Barb wire, 100 lbs.	\$2 40
Plain twist wire and staples.	2 90
Oiled annealed wire.	10 2 80
"	11 2 90
"	12 3 00
"	13 3 15
"	14 3 30
"	15 3 65
Green wire cloth, per 100 feet	1 40
Poultry wire, per 100 feet	55
Wire nails, 30 to 60 dy, keg.	2 75
" 16 and 20	2 70
" 10	2 75
" 8	2 80
" 6	2 95

"	4	3 05
"	3	3 30
Cut nails,	50 and 60 dy.	2 35
"	20 to 40	2 40
"	10 to 16	2 45
"	8	2 50
"	6	2 55
"	4	2 80
"	3	3 05
"	3 fine	3 35
Horse nails, 45 per cent. discount.		
Horse shoes, iron, light, medium and heavy, keg.....		4 00
Snow shoes.....		4 25
Steel, light.....		4 25
" extra light.....		5 75
Bar and band iron, \$2.05 basis.		
Swedish iron, \$5 basis.		
Tool steel, Black Diamond, 100 lbs.....		8 00
Jessop.....		12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs..		3 50
26 gauge.....		3 75
28 gauge.....		4 00
Galvanized American, 16 to 24 gauge.....		4 00
26 gauge.....		4 25
28 gauge.....		4 50
Genuine Russian, lb.....		12 00
Imitation ".....		8 00
Tinned, 24 gauge, 100 lbs.....		7 25
26 gauge.....		7 50
28 gauge.....		8 50
Tin plate, 1C charcoal, 20 x 28, box.....		8 50
" IX.....		10 50
" IXX.....		12 50
Canada plate, 18 x 21 and 18 x 24.....		3 25
Sheet zinc, cask lots, 100 lbs.....		6 00
Broken lots.....		6 50
Pig lead, 100 lbs.....		4 25
Wrought pipe, black, $\frac{1}{4}$ inch.....		2 50
" $\frac{3}{8}$ inch.....		2 75
" $\frac{1}{2}$ inch.....		3 00
" $\frac{3}{4}$ inch.....		4 00
" 1 inch.....		5 00
" 1 $\frac{1}{4}$ inch.....		7 00
" 1 $\frac{1}{2}$ inch.....		8 50
" 2 inch.....		11 50
" Over 2 inch.....		65 p.c.
Rope, sisal, 7-16 and larger.....		13 00
" $\frac{3}{8}$		12 75
" $\frac{1}{4}$ and 5-16.....		13 25
Manilla, 7-16 and larger.....		14 50
" $\frac{3}{8}$		14 00
" $\frac{1}{4}$ and 5-16.....		15 00
Cotton, all sizes, lb.....		15 00
Axes, per box.....	\$5.50	to 8 00
Screws, flat head, iron.....		85 p.c.
Round ".....		77 $\frac{1}{2}$ p.c.
Flat " brass.....		80 p.c.
Round " ".....		72 $\frac{1}{2}$ p.c.
Bolts, carriage.....		60 p.c.
Machine.....		60 p.c.
Tire.....		55 p.c.
Sleigh shoe.....		65 p.c.
Rivets, iron.....		50 p.c.
Copper, No. 8, lb.....		25c.
Spades and shovels.....		40 p.c.
Harvest tools.....	.60 to 60-	100

Axe handles, turned, s. g. hickory, doz..	\$2	50	
No. 1.....	1	50	
No. 2.....	1	25	
Octagon extra.....	1	65	
No. 1.....	1	25	
Linseed oil, raw, per gal.....		57	
" " boiled.....		60	
Ammunition, cartridges, Dominion R.F.	50		p. c.
Dominion, C.F., pistol.....	25		p. c.
" military.....	15		p. c.
American R.F.....	35		p. c.
C.F. pistol.....	5		p. c.
C.F. military.....			Net
Loaded shells, Robin Hood, M.....	\$18	00	
Eley's 12 gauge, M.....	16	00	
American, M.....	16	20	
Shot, Robin Hood.....	10	00	
Ordinary, per 100 lbs.....	6	25	
Chilled.....	6	75	
Powder, F.F., keg.....	4	75	
F.F.G.....	5	00	
Tinware, pressed.....	70		p. c.
Granite ware, according to quality.	50	60	p. c.

CANADIAN ADVERTISING is best done by THE
E. DESBARATS ADVERTISING AGENCY,
MONTREAL.

For particulars address—

Lock Drawer 464. **OWEN SOUND.**

Barrister, Solicitor, Notary, Etc.

THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

... TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

SPORTSMEN

NOTE

THE ABBEY IMPROVED CHILLED SHOT
NEWCASTLE, ENGLAND.

Is made by a NEW PROCESS, and is highly spoken of by Sportsmen and Sporting Papers. Kills at greater distance than Soft Shot. Gunmakers wishing repeat orders should load with this shot.

WM. CLENDINNENG
& SON ——— Stoves..

We make a full line of up-to-date goods. Our Leader, Grand Universal, and Jubilee Stoves are ready sellers.

Can furnish repair plates, as we have patterns for all makes of
Stoves, Ranges, and Heaters.

WM. CLENDINNENG & SON

COR. VINET AND ALBERT STREETS

N.B.—

The Trade are invited to get our prices and discounts before purchasing their fall goods.

Ste. Cunegonde

MONTREAL

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, July 8, 1898.

HARDWARE.

TRADE in hardware has continued quiet, on the whole, and, while a fair movement is going on, it is not extensive in character. No changes are noted here in jobbing values up to the date of writing, but the makers are holding their quarterly meetings in Toronto this week, when cut nails, horse nails, horseshoes, screws, bolts, rivets, etc., will be considered, but dealers here don't appear to anticipate any radical alterations. What demand there is experienced at the moment is confined to wire nails, green wire cloth and harvesting tools, other branches being very quiet.

BARB WIRE—Continues quiet, orders being for very small quantities, with the basis unchanged at \$2 f.o.b. Montreal.

PLAIN WIRE—A quiet movement is noted in oiled and annealed, but galvanized is dull. Discounts are 40 per cent. on the former and 35 per cent. on the latter.

WIRE NAILS—Orders for these continue

fairly good, and prices are quoted at \$1.80, but this would be shaded for a round lot.

CUT NAILS—Demand for these is slack, and prices unchanged, \$1.85 f.o.b. Montreal, Toronto, Hamilton and London.

HORSE NAILS—A small quantity of these are moving with discounts 50 per cent.

HORSESHOES—Continue quiet. We quote: Iron shoes, light and medium pattern, \$3.25; snow shoes, \$3.50; steel shoes, Nos. 0, 1 and 2, \$5; Nos. 3, 4 and 5, \$4.25; assorted, 0 to 5, \$4.75; new light pattern, all sizes, 1 to 5, \$3.50; toe-weight steel shoes, all forward, \$.550.

SCREWS—A moderate business is noted. Discounts are: Flat head bright, 87½ and 10; round head do., 80 and 10; flat head, brass, 82½ and 10; round head brass, 75 and 10. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75 and 10.

BOLTS—There is a fair trade passing. Discounts are as follows: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per

cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS—A quiet trade passing, with discounts as follows: Iron rivets, black and tinned, all sizes, 65 per cent. Copper rivets, 50, and washers, 50 to 50 and 10 per cent.

BRASS AND COPPER WIRE—Quiet and steady on the basis of 20c.

CLOTHES WRINGERS—Moving quietly, at \$29 for Royal Canadian.

HINGES—Barn door hinges are the kind chiefly asked for. We quote: 6 to 12 inch, \$3.50, and 14-inch, \$2.50.

GREEN WIRE CLOTH—Sorting-up orders involve a fair quantity of material.

SPADES AND SHOVELS—Demand is quieter, with discounts 40 and 10 per cent.

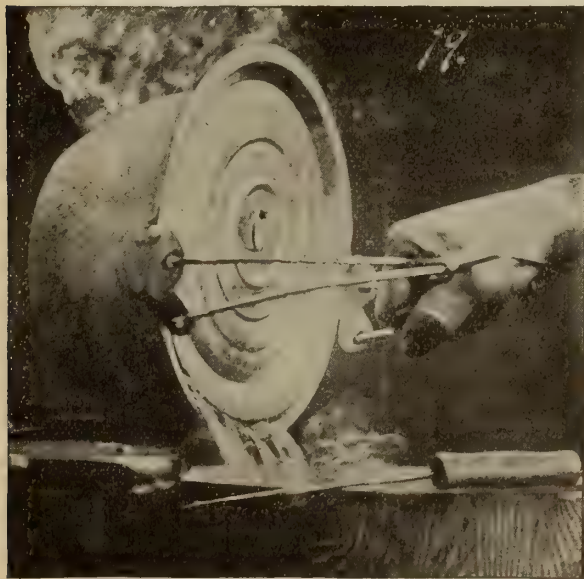
TOOLS—Harvest tools are asked for to a fair extent.

BUILDING PAPER—Quiet and unchanged.

CUTLERY—As last reported.

CORDAGE—There has been no change in this line. New Zealand rope is being offered to jobbers here at 9¾c., and is meeting

Enamelled Preserving Kettles



Queen of Kitchen

Patented in Canada, U.S., England, France and Germany.

Made only in "Imperial" ware.
Sizes Nos. 24 to 32 inclusive.

Their Advantages

- The steam cannot scald the hand while pouring.
- They carry level by either bail and cannot tip.
- The cover retains small articles while draining.
- They are safe for children to use, and equally safe for adults.
- They cost only a trifle more than ordinary kettles and can be sold for 25c. extra.

Made in ordinary "FAMOUS" and "IMPERIAL" ware.

Sizes Nos. 18 to 40 inclusive.

Every piece guaranteed perfect and thoroughly coated.



The ingredients used in their manufacture are the best obtainable, and are perfectly free from all poisonous materials.

Being perfectly coated they cannot spoil the fruit.

When ordering be sure and state
"McClary's Enamelled Wares."

Order early and save yourself disappointment later on.
If you want your goods quick, order from McClary's.

THE McCLARY MFG. CO.

LONDON, TORONTO, MONTREAL,
WINNIPEG, VANCOUVER.



APOLLO BEST BLOOM
GALVANIZED IRON.

Some builders order galvanized iron rolled one gauge and stenciled another.

We don't accept such orders.

Apollo Iron and Steel Company,
Pittsburgh, Pa.

Drain Pipes and Connections
Sewer Bottoms (Inverts)
Farm Tiles
Oakum and Gasket
Portland Cements
Contractors' Supplies.

F. HYDE & CO.

31 Wellington street, MONTREAL

Abbott & Co.

ROLLING MILLS

.. MONTREAL

MERCHANT BAR IRON—

	BRAND
Best Refined Bar Iron	AVB
" " Rivet Iron	AVB
" " Horseshoe Iron	
Ex. Best " Bar Iron	AXB
" " Rivet Iron	AXB
" " Stay Bolt Iron	AXB
" " Hammered Iron	AHB
" " Charcoal Iron	ACB

Tyre, Sleigh Shoe,
Axe and Rivet STEEL.

Canada Iron Furnace Co., Ltd.
Manufacturers of

CHARCOAL PIG IRON
MONTREAL.

BRAND "C.I.F." THREE RIVERS
PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

GEO. E. DRUMMOND,
Managing Director and Treasurer

with a fair sale, on account of the higher prices asked for Canadian cordage. We quote as follows: Sisal, 7-16 and up, 12c.; $\frac{3}{8}$, 12 $\frac{1}{2}$ c.; 5-16 and $\frac{1}{4}$, 13c., and 3-16, 13 $\frac{1}{2}$ c.; manilla, 7-16, 13 $\frac{1}{4}$ c.; $\frac{3}{8}$, 13 $\frac{1}{2}$ c.; 5-16 and $\frac{1}{4}$, 14 $\frac{1}{2}$ c., and 3-16, 14 $\frac{3}{4}$ c.

BINDER TWINE—This article is very scarce, and there has been a rather brisk enquiry for it of late. No sisal twine is to be had at any figure, and very full prices are asked for manilla at the factory, and 14c. is now being asked in a jobbing way for pure manilla, and 11 $\frac{1}{2}$ to 13c. for mixed.

CEMENT—Private cables this week note further advances in English cement. Locally, trade has been quieter, but prices are firmly held. We quote: English, \$2.25 to \$2.35; German, \$2.30 to \$2.45; Belgian, \$1.80 to \$2, and Canadian, \$1.60 to \$1.80, as to brand, ex wharf.

FIREBRICKS—In moderate demand, and steady, at \$16 to \$21 per 1,000, as to brand.

METALS.

A fair movement is noted in heavy iron and metals, and prices all round are steadily held. Pig iron, in car lots, has been moved to a moderate extent, and negotiations noted last week have been closed for considerable quantities, both of Hamilton and Scotch, for future delivery. Bar iron is quiet, on the whole, but values have a steadier tendency. Ingot tin, sheet zinc and spelter have an upward tendency, jobbers asking $\frac{1}{2}$ c. advance on the first and $\frac{1}{4}$ c. on the second, this week, for jobbing lots. Canada plate is very firmly held, and, while stocks of tin plate here are fairly well assorted, the same does not appear to be the case in the west, as there have been several enquiries from jobbers at those points. Cable advices on both lines are very firm, and makers are asking an advance, in some cases, for fall deliveries. Galvanized iron continues to show considerable activity.

PIG IRON—We quote: No. 1 Hamilton, \$15 to \$16; No. 2, \$14.50 to \$15; Ferrona, \$15; Siemens \$15, and Summerlee and equal brands, \$17, ex wharf, and \$18 to \$18.50 ex yard.

BAR IRON—Steady at \$1.40.

BAND IRON—The same, at \$1.75.

HOOP IRON—Light demand, at \$2.

SHEET IRON—We quote as follows: \$2.15 on 10 to 16 gauge; \$2 on 18 to 20 gauge; \$2.10 on 22 to 24 gauge; \$2.20 on 26 gauge, and \$2.25 on 28 gauge.

SHEET STEEL—12 gauge, \$2.15 per 100 lb.; 16 gauge, \$2.30; 18 to 20, \$2.20 to \$2.30; 22 to 24, \$2.20 to \$2.30; 26, \$2.25 to \$2.35; 28, \$2.35 to \$2.45; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lb.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26, \$3.75.

LEAD PIPE—Composition waste 7 $\frac{1}{2}$ c., and lead pipe 7c., discounts 25 per cent.

Steel of all kinds

Sanderson's

Cast Steel for Tools, Dies, Drills, Cant Hooks, etc.
A good assortment in stock.

"Gautier"

Merchant Steel. Bessemer and Open Hearth, for all purposes. Agricultural steels and finished shapes a specialty.

Sheet Steel, dead flat or ordinary, in all grades.

A. C. LESLIE & CO.

Montreal.

Poultry Netting

— and —

Wire Fencing

all widths, weights and meshes in stock.
Selling agents for McMullen's celebrated goods.

The B. Greening Wire Co., Limited
HAMILTON AND MONTREAL

THE LEADER BARREL CHURN has more improvements than any other Churn on the market. Gives users better satisfaction. Requires less effort to operate and is more active than ordinary churns. Has patent gas vent, malleable handle and special locking attachment.



Ask your dealers for
"THE LEADER"
Sold everywhere

THE DOWSWELL MANUFACTURING CO., Limited
HAMILTON ONT.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

GALVANIZED IRON—Active. We quote: "Queen's Head," \$4.15 to \$4.25; "Comet," \$3.75.

TINNED IRON—Steady.

PIG LEAD—Very firmly held at \$3.80.

INGOT TIN—Firm, 17c.

INGOT COPPER—13 to 13½c.

SHEET COPPER—16½c. for 14-oz., and 15½c. for 16-oz.

CANADA PLATES—Quite firmly held, and we quote: 52's, \$2.20 to \$2.25; 60's, \$2.30, and 75's \$2.40 to \$2.45. Full polished, \$3.

TIN PLATE—We quote as follows: Coke, I.C., \$2.90 to \$3.25; charcoal, I.C., All-away or Comet brands, \$3.50; do, I.X., \$4.10 to \$4.25; Lincoln, \$3.75; P. D. Crown, I.C., \$3.95; do, I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Steady at \$6 to \$6.25.

COIL CHAIN—We quote: ¼-inch, \$5; 5-16, \$3.50; ¾, \$3.25; 7-16, \$3.15; ½-inch, \$3, and ⅝ up, \$2.85.

SHEET ZINC—Quiet, at 5¾c.

SOLDER—Steady, at 11 to 11½c.

SPELTER—Unchanged. Vieille Montague \$5.25, and American, \$5.

ANTIMONY—Casks, 9½c.

IRON PIPE—Firm. We quote: Black pipe, ¼-inch and ⅜-inch, \$1.95; ½-inch, \$2.20; ¾-inch, \$2.65; 1-inch, \$3.65; 1¼-inch, \$4.75; 1½-inch, \$6.25, and 2-inch, \$8.25. Galvanized, ¼-inch, \$3.85; ¾-inch, \$4.70; 1-inch, \$6.50; 1¼-inch, \$9; 1½-inch, \$11.50, and 2-inch, \$16.

SANITARY WARE—Unchanged.

GLASS.

The glass market continues firm, in sympathy with strong advices from abroad, but local jobbers are not asking any advance as yet for current orders. We quote: First break, \$1.40; second, ditto, \$1.50 per 50 feet, and third break, \$3.10 per 100 feet.

PAINTS AND OILS.

The Paint and Oil Association had their meeting this week, and the general report of the spring trade done was generally favorable, although there is considerable competition in some items. The scarcity of white lead formed an argument for higher prices, but, as most of the makers appear to have covered their own wants at present prices, no advance was made, and the summer schedule therefore contains no change. Some houses report considerable quieting down since the spring push, but there appears to be a pretty good amount of sorting business still going on. Linseed oil continues extremely scarce, the market being largely dependant on ocean arrivals, which are picked up as soon as landed. Turpentine continues quiet, with the decline reported last week. Seal oil, in a jobbing way, is selling at 37 to 40c., and castor oil is easier at 8 to 8¼c., in barrels, and 8¼ to 8½ in casks.

WHITE LEAD—Best brands, Government standard, \$5.62½; No. 1, \$5.25; No. 2, \$4.87½; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4½c.; kegs, 4¾c.; No. 1, casks, 4¼c.; kegs, 4½c.

WHITE ZINC PAINT—Pure, 6½c.; No. 1, 5¾c.; No. 2, 5c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 49c.; boiled, 52c., five-barrel lots one cent less net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to five barrels, 43c. the same terms as linseed oil.

PARIS GREEN—Pure, in barrels, 16¼c.; 250-lb. kegs, 16½c.; 50 to 100-lb. drums, 17c.; 1-lb. packets, 18c.; 1-lb. tins, 18½c.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8¼ to 8½c.

SEAL OIL—37 to 40c.

COD OIL—Supplies light, and prices firm at 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4½ to 5½c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

The market has been weak and prices have declined 1½ to 9½c. for No. 1; 8½c. for No. 2, and 7½c. for No. 3. Lambskins and clips, on the other hand, have advanced 10c. each to 30c. per skin.

PETROLEUM.

Continues steady and unchanged. We quote: Canadian Crown Acme, 14c.; refined, 12c. in car lots, and 13c. in smaller quantities; American, prime white, 14½c. in small lots; water white, 15c.; Pratt's astral oil, 17c.

MONTREAL NOTES.

The first shipment of "Comet" galvanized sheets have arrived. The sheets are nicely finished, bright and well galvanized, and buyers are much pleased with them.

ONTARIO MARKETS.

TORONTO, July 8, 1898.

HARDWARE.

THE wholesale hardware trade is beginning to show signs of the approach of the usual midsummer quietude. At the same time, however, a good business is still being done for this time of the year. The demand for oiled and annealed wire, as well as for barb wire, is gradually dropping off. Wire and cut nails are not as active as they were. The demand for bolts is well maintained. Rope is quiet. Churns are more active than they were. A good many hinges are still going out. Spades and shovels are not in as good demand as they were. Business is brisk in harvest tools, but a great deal of difficulty is being experienced in getting supplies from the makers. The manufacturers, in some lines, are meeting in Toronto this week, but the only change, so far, made is in copper rivets and burrs, particulars of which are given elsewhere.

BARB WIRE—There is very little doing in this line. We quote: \$1.80 f.o.b. Cleve-

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

We are the Oldest and Largest Manufacturers of

SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The...

John Morrow Machine Screw Co.
Ingersoll - Ontario.

"THE DAISY"



Barrel Churn with Roller Bearing Stand is the favorite, and takes the lead everywhere. More sold than all other kinds. Improved vent supplied when required. The old style clumsy stand is not to be compared with our neat, strong, common sense, Roller Bearing Stand. Buy The Daisy, or you will miss it.

THE WORTMAN & WARD MFG. CO., LIMITED.
Headquarters, London, Ont. Eastern Branch, 60 McGill St., Montreal, Que.

E. T. WRIGHT & CO.

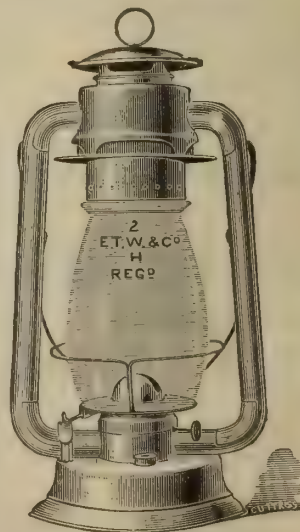
Manufacturers of...

Tubular and Cold Blast Lamps

Bird Cages
Mouse Traps
Flour Sifters

Stamped Re-tinned and Japanned

...TINWARE



HAMILTON - CANADA.

land, and \$2 from stock, Toronto. Terms, 30 days or 2 per cent. 10 days.

ORDINARY FENCE WIRE, ETC.—The demand for oiled and annealed is falling off. Galvanized wire has been quiet for some time. Discounts are: Annealed, oiled and annealed, 35 per cent.; galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 65 per cent.

WIRE NAILS—While a good many nails are still going out, the demand is not as brisk as it was. Prices are still low. We quote \$1.80 to \$1.85 per keg, Toronto.

CUT NAILS—The demand for cut nails is also rather smaller than it was. We quote: Base price, \$1.85, Toronto, Montreal, London and Hamilton. Freights equalized from these points.

HORSE NAILS—Trade is only moderate. Discount, 50 per cent.

HORSESHOES—Very little doing. We quote as follows: Montreal, \$3.25; Toronto, and Hamilton, \$3.35; London and Guelph, \$3.40.

SCREWS—The manufacturers have met, but no change in price was made. Discounts are as follows: Flat head bright, 87½ and 10; round head bright, 80 and 10; flat head brass, 82½ and 10; and round head brass, 75 and 10 per cent. Machine screws, iron and brass, flat head, 87½ and 10 per cent.

BOLTS—The manufacturers held a meeting this week, but made no change in prices. It is possible, however, that there may be an advance before a great while. Trade keeps good. Discounts are as follows: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¼c.; hexagon, 5¼c.

RIVETS AND BURRS—The discount on copper rivets and burrs has been reduced to 45 per cent. and the price of sections in paper bags has been advanced ½c. per lb. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 50 per cent.; bifurcated, with box, \$1.25.

ROPE—Trade is quiet. Orders this week are principally for the smaller sizes. We quote: Sisal, 7-16 in. and larger 11½c.; ¾ in., 12¾c.; ¼ and 5-16 in., 12¾c.; Manilla, 7-16 in. and larger, 13¾c.; ¾ in., 13¾c.;

ALL OVER CANADA

IN ALL KINDS OF
BUILDINGS

Our Metallic Ceilings and Walls



Are the most popular interior finish. We make an immense variety of artistic patterns, with borders and mouldings to match. They can be easily applied (over plaster if desired, in old buildings) and are durable and economical, fireproof and hygienic.

The serviceable beauty of our metallic finish appeals to all practical people. It is just what everyone wants.

Are you ready to fill orders? If not, write for our new catalogue, with a full description of our reliable lines. Our goods are always found just as represented.

The METALLIC ROOFING CO., Limited

1179 King St. West, Toronto.

Hard Wear means Long Wear

The true test of a customer's satisfaction with the Household Brushes she buys is the length of time it takes to wear the brushes out. Ordinary wear and tear expose the weaknesses of ordinary brushes in no time at all.

We do not claim that our Household Brushes are absolutely "wear and tear proof" against the assaults of that great army of household workers—the women.

But we back up our claim that they are the best you can get for the price you pay, or "your money back if you want it."

Boeckh's Brushes

Boeckh Bros. & Company, Mfrs.
Toronto, Ont.

Montreal Branch, 1 and 3 DeBresoles Street

Agencies at Winnipeg, Halifax, Glasgow, Vancouver.

$\frac{1}{4}$ and 5-16 in., $14\frac{1}{2}$ c.; deep sea line, $13\frac{1}{2}$ c. for water laid, and $14\frac{1}{2}$ c. for machine-made; hemp, 7 to 9c; lath yarn, $10\frac{1}{4}$ c.

CHURNS—Trade during the last week has improved, shipments being more numerous. We quote discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Quiet. We quote as follows: "New Leader" and "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50.

BELTING—Quiet. We quote leather belting as follows: Agricultural, 65 and 5 per cent.; Standard, 50 per cent.; extra, 45 per cent. Rubber belting: "Lion" and "Star," $57\frac{1}{2}$ to 60 per cent.; "Red Strip," 45 to $47\frac{1}{2}$ per cent.

HINGES—Business continues good, especially for barn door hinges. We quote as follows: 6 to 12 inch, inclusive, at \$3.15 per 100 lb., and 14-inch and upwards at \$2.35; light T and strap, 70 and 10 per cent.; screen door hinges, \$9.50 per gross pair.

GREEN WIRE CLOTH—Business continues good for this time of the year. The volume of business has been much larger than it was a year ago. We quote: \$1.20 per 100 square feet. Terms, 4 months or 3 per cent. 30 days.

SPADES AND SHOVELS—The demand is not as active as it was. Discount, 45 and 10 to 45 and $2\frac{1}{2}$ per cent.

HARVEST TOOLS—A great many complaints are heard in regard to supplies, it being impossible to secure any quantity from the makers. Orders booked a month ago are not nearly complete.

GARDEN HOSE—A small sorting-up trade is being done. We quote: "Lion" and "Western," 70 to 70 and 5 per cent.; "Competition," 75 to $77\frac{1}{2}$ per cent.

BUILDING PAPER—Quiet. We quote as follows: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred.

WARE—A good business is being done in granite preserving kettles. Tinware is quiet.

CEMENT—Business continues active in both city and country. We quote in barrel lots: Canadian Portland, \$2.70 to \$2.90; English do., \$2.85 to \$3; Belgian do., \$2.75; Canadian hydraulic cements, \$1.10 to \$1.25; calcined plaster, \$1.90 to \$2.

METALS.

The metal trade is quiet, although an improved demand is to be noted for sheet steel, black iron and galvanized iron.

About the only quotable change in prices is an advance in ingot tin.

PIG IRON—Market is quiet and rather easier, with quotations largely nominal. We quote: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$11.80 per ton; No. 2 ditto, \$11.55; No. 1 Northern American soft, \$11.80; No. 2 ditto, \$11.55. Hamilton iron, No. 1, in 100-ton lots, is quoted at \$14, on track Toronto.

BAR IRON—The market continues inactive. We quote base price \$1.45 to \$1.55 from stock, and \$1.35 to \$1.45 from factory.

HOOP AND BAND IRON—Trade is exceptionally good, some large orders having been received during the week. We quote: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—Trade has improved a good deal during the past week. We quote as follows: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—An improvement in the demand for black iron is also to be noted. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Shipments during the week have been heavy. Quite a number of the orders were for the heavy gauges. A number of import lots have also gone through. We quote: Queen's Head (case lots), 16 gauge, $3\frac{1}{2}$ c.; 18 to 24, \$3.87 $\frac{1}{2}$ c.; 26, $4\frac{1}{2}$ c.; W. G. 28 gauge, \$4.37 $\frac{1}{2}$ c.; Gordon Crown (case lots), 28 gauge, $4\frac{1}{4}$ c.; 26 gauge, 4c.; 22 to 24 gauge, $3\frac{3}{4}$ c. per lb. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. Small lots in all the above are $\frac{1}{4}$ c. per lb. higher than figures named.

PIG LEAD—Some large sales have been reported, but in general the demand from the country has been light. We still quote 4 to $4\frac{1}{4}$ c. per lb. as the ruling price.

INGOT COPPER—Quiet, at $12\frac{1}{2}$ to 13c. per lb.

INGOT TIN—The demand is good. Prices have again advanced, Straits being quoted at $17\frac{1}{2}$ c., and Lamb and Flag at 18c. for ordinary lots.

SHEATHING COPPER—A number of import orders booked some time ago were delivered this week. Roofing copper is in fair demand. We quote: Sheathing copper, $15\frac{1}{2}$ to $16\frac{1}{2}$ c., according to weight



SEALED TENDERS addressed to the undersigned, and endorsed "Tender for Supplying Coal for the Dominion Buildings," will be received at this office until Friday, 22nd July.

Specifications can be seen and form of tender obtained, on and after Friday, the 24th June, at this office, where all necessary information can be had on application.

Tenders will not be considered unless made on the printed form supplied, and signed with the actual signatures of tenderers.

Each tender must be accompanied by an accepted bank cheque equal to ten per cent. of amount of the tender (10 p.c.) made payable to the order of the Honourable the Minister of Public Works, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department will not bind itself to accept the lowest or any tender.

By order,

E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, 22nd June, 1898.

Newspapers inserting this advertisement without authority from the Department will not be paid for it

ISLAND CITY Paint and Varnish Works

.. Manufacturers of ..

**READY MIXED PAINTS and
FINE COACH VARNISHES.**

WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.
WORKS 274 St. Patrick St., MONTREAL.



Metal Ceilings are now being recognized as the most desirable covering for Private Houses, Club Rooms, Public Buildings, etc. They are very handsome in appearance, will not crack and fall off, and compare favorably in price with any good ceiling.

Fully illustrated catalogues sent on request. Estimates furnished on receipt of plans.

The Pedlar Metal Roofing Co.
OSHAWA, ONT.

and quantity; braziers', 15½ to 17½c. per lb., according to gauge.

MILK CAN TRIMMINGS—Very little doing. Discount, 25, 10 and 7½ per cent.

IRON PIPE—The demand for black iron pipe is good at firm prices. The demand for galvanized pipe is better than it has been for some time, but a slight scarcity is to be noted. We quote as follows: Black pipe, per 100 feet, ¼ to ¾ inch, \$1.87 to \$2; ½ inch, \$2.15 to \$2.20; ¾ inch, \$2.62½; 1 inch, \$3.60; 1¼ inch, \$4.75; 1½ inch, \$6.20; 2 inch, \$8.30. Galvanized, ½ inch, \$3.50 to \$3.80; ¾ inch, \$4.20 to \$4.60; 1 inch, \$5.85 to \$6.20; 1¼ inch, \$8.05 to \$8.25; 1½ inch, \$11 to \$11.25.

RANGE BOILERS—Business is moderate. We quote: Galvanized, 30 gals., \$5.25 to \$5.50; 35 gal., \$6.25 to \$6.50; 40 gal., \$7.25 to \$7.50; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES A little business is being done. We quote as follows: Half-polished, 52-sheet boxes, \$2.35; ditto, 60-sheet boxes, \$2.40; dull, 75-sheet boxes, \$2.50; ditto, "Alaska," \$3.

TIN PLATES—Trade has been a great deal better during the past week, with the larger proportion of the orders for cokes. We quote: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

TINNED IRON—The demand continues fairly good, and, except in one or two gauges, stocks are fairly complete. We quote as follows: 5½c. in case lots for 22 to 24 gauge, and 2¾c. in lesser quantities; cut to size, 24 gauge, case lots, 4¾c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6¼c. for small lots.

TERNE PLATES—Trade is still moderate. We quote: I C, \$6 to \$6.75; I X, \$7.50.

COIL CHAIN—Quite a number of orders have been received during the past week. We quote as follows: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ⅝ in., \$2.80; ¾ in., \$2.75.

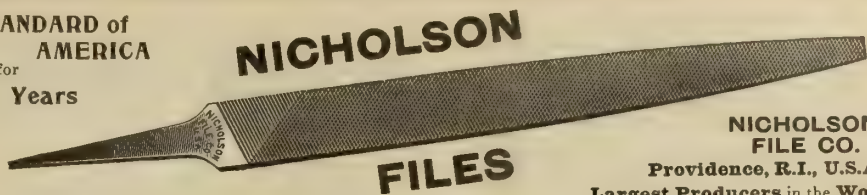
SHEET ZINC—The movement is steady in small quantities. We quote cask lots at 5¾c., and small quantities at 6c.

SOLDER—Trade is still fair. We quote: Standard, 11½c. per lb. for quantities, and 12c. for small lots; strictly half and half, 12c. for quantities, and 12½c. for small lots.

ANTIMONY—Quiet. We quote: Cookson's, cask lots, 10½c.; smaller quantities, 11c.; other makes, 8½ to 9c.

ZINC SPELTER—There is still a fair trade doing, at 5c. for ton lots, and 5¼c. for small quantities.

STANDARD of
for
30 Years



**NICHOLSON
FILE CO.**
Providence, R.I., U.S.A.
Largest Producers in the World

BRITISH PLATE GLASS COMPANY, Limited.

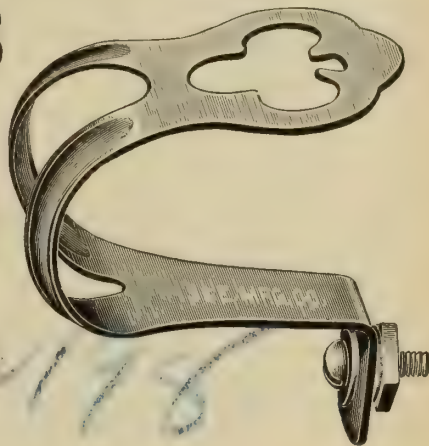
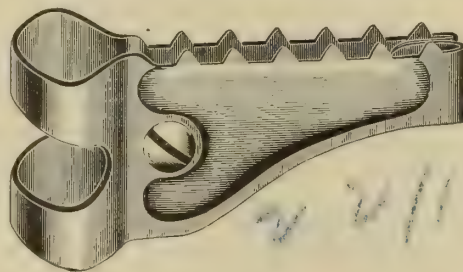
Established 1773.

Manufacturers of **POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS.** Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass," St. Helens. Telephone No. 68 St. Helens.

BICYCLE SUNDRIES

Toe Clips, Coasters, Wrenches
and Bicycle Pad Locks.



— ALSO —

"Giant" Metal Sash Chain.—Pulleys.—"Red Metal" and Steel Sash Chain, Pad Locks, and Rat Traps.

MANUFACTURED BY

THE SMITH & EGGE MFG. CO.

Send for Sundry Catalogue.

Bridgeport, Conn., U.S.A.

PAINTS AND OILS.

Encouraged by a good steady volume of business it was thought The Paint and Oil Association, which met this week in Montreal, would advance quotations. This, however, was not done, as some of the larger grinders have favorable dry lead contracts, and were disinclined to place ground white lead on a higher basis, for the present, at least. While fair prices are being received on some of the staples, there is keen competition in a wide range of goods, and makers are kept on the qui vive to make the turnover month by month a satisfactory one. Varnishes continue in satisfactory request, but the stiff quotations asked for high-class gums have not met with any response in the selling prices for varnish. This must come about very shortly. In liquid paints and colors a very large sorting up business is under weigh, and from appearances a brisk July is anticipated. The sales of turpentine this week have been few and small. Linseed oil has been in active demand, and is firm in price. In general business and decorators' requisites, there is nothing

gained by disguising the fact that the trade is in full swing with a heavy output such as has not been experienced for years. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

PARIS GREEN—Kegs, 16½c.; 50 and 100-lb. drums, 17c.; 1-lb. packages, 18c.; 1-lb. tins, 18½c.; cases, ½-lb. boxes, 19½c.

LIQUID PAINTS—Pure, \$1 per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 50c.; boiled, 1 to 4 barrels, 53c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside west-charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

OLD MATERIAL.

There is a large volume of business being done. Demand is good for all lines. We quote: Agricultural scrap, 45c. per cwt.; machinery cast, 52½c. per cwt.; stove cast scrap, 30c.; No. 1 wrought scrap, 40 to 50c. per 100 lbs.; No. 2, including sheet iron and hoop iron, 10c.; new light scrap copper, 7¾c. per lb.; bottoms, 7½c.; heavy copper, 8 to 8½c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2c.; scrap rubber, 3½ to 3¾c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lbs.

GLASS.

The advance anticipated has been made, and now "Star" glass is 25c. and double diamond, 50c. dearer, in 100-foot boxes, than formerly. A corresponding advance is noted for all sizes. Import orders are not all delivered yet. In many cases country dealers who gave import orders are complaining of breakages, and in a few cases are endeavoring to make the jobber who took his order bear the loss. As mentioned in these columns at the time the orders were being received, it was stated in all agreements that the importer should bear his own risk. We quote: First break in 50-foot boxes, \$1.60, and in 100-foot boxes, \$3; double diamond, under 25 united inches, \$4.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

HIDES, SKINS AND WOOL.

HIDES—Prices are firm and unchanged. We quote: No. 1, 9c.; No. 2, 8c.; No. 3, 7c.; cured, 9½ to 10c.

CALFSKINS—The demand is weak, as dealers consider the price too high. We quote: No. 1 veal, 8 lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Nominal. The season is over. There is a fair demand for lambskins, at 35c., and shearlings, at 25c.

WOOL—The market is slow, jobbers and country dealers differing regarding values. Unwashed is quoted at 10 to 11c. and fleece at 16c.

PETROLEUM.

Trade is good, with prices unchanged. We quote at Toronto, as follows: Canadian, 13½c.; Sarnia water white, 15c.; American water white, 17½c.; Pratt's astral, 16c., in bulk.

COAL.

Trade is quiet, with prices unchanged. We quote anthracite at Buffalo and bridges as follows: Egg, nut and stove, \$4.25; grate, \$4 per ton.

MARKET NOTES.

Ingot tin is quoted ½c. per lb. dearer.

Window glass is from 25 to 50c. dearer.

The price of all stoves outside, gas and oil stoves, is 5 per cent. higher.

It pays dealers to sell goods that are well advertised, when backed up by quality like "Enameline."

Copper rivets and burrs are dearer, the discount being 45 per cent. instead of 50 per cent. as before. Section rivets in paper boxes are ½c. per lb. dearer.

PERSONAL MENTION.

Mr. M. A. Irwin, of Montreal, representing, among other firms, The Pittsburg Wire Co., The Standard Rope and Twine Co., of New York, was in Toronto this week.

A bouncing nine-pound boy came to Mr. and Mrs. J. Taylor Webb, of Toronto, on Tuesday. The happy father wears a smile broader than ever, and about his chief wish is that his offspring may succeed him on the road as representative of The Thos. Davidson Mfg. Co.

Mr. Wm. Vallance, of the firm of Wood, Vallance & Co., the well-known hardware firm of Hamilton, was in Toronto on Thursday, en route for Muskoka for a brief holiday. Mr. Vallance called upon Mr. W. H. Evans, the local representative of the Canada Paint Co., and recalled many reminiscences of old traveling days and experiences.

Among the manufacturers who are in Toronto this week, attending the meeting of the manufacturers are: Messrs. James H. Peck, of Peck, Benny & Co., A. F. MacPherson, of the Montreal Rolling Mills, Peter McCormick, of the Dominion Wire Co., and Near, of the Pillow, Hersey Mfg. Co., Montreal; W. J. Whitten, of the Ontario Tack Co., Hamilton; Clarke Thurston and Cyrus W. Birge, president and vice-president respectively of the Canada Screw Co., Hamilton.

NEWFOUNDLAND COPPER.

The great demand for copper for electrical machinery has brought the price of that metal up, as nothing else would take its place. It is up now and still mounting, and the copper mines of Newfoundland are attracting more attention from the outside world.

It is a matter of congratulation that the Harris Sulphur and Copper Co. of Glasgow, said to be of high standing, have become interested. Their mining expert has successfully negotiated with the owners of the Colchester, Sunday Cove, and Robert's Arm on Notre Dame bay, and operations will soon commence on an extensive scale. The company has also leased Silver Cliff mine on Placentia bay.

The Harris Mining Co. is of 31 years' standing, and has copper mines in Spain and Britain, and Newfoundland will gain nothing but lasting benefit by her mines being operated by this firm. Employment will be given to a large number of people, and a consequent prosperity will be the result.

Portland Cements

Best German, English and Belgian Brands

Calcined Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.



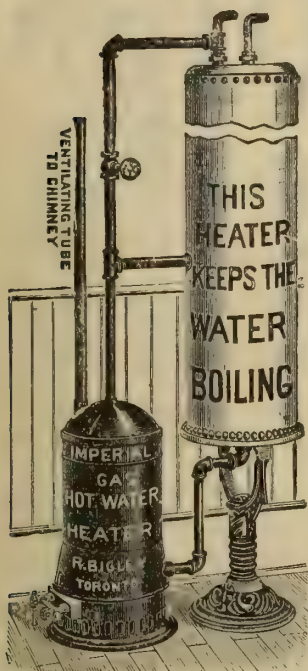
The most profitable implement in a plumbing shop—weighs but 6-lb.—piston locks in for carrying. One charge of cotton (not woollen) waste from locomotive or car bearings, burned in the basket of pump, will produce enough smoke to test the largest stack of fixtures.

R. SAMPSON

Plumber and Steamfitter, Etc
259 St. John Street, QUEBEC.

Imperial Gas Water Heater

PATENTED.



This heater will heat sufficient water for a bath in 15 minutes, and consumes from 20 to 30 feet of gas per hour.

The heater is tested to 200 lbs. pressure.

Is especially adapted for domestic uses, Hospitals, Hotels, Restaurants, Laundries, or for heating water for a Baptistry or Greenhouse, or can be used as an auxiliary to any Hot Water System; is fitted with a double convex gas burner so that one or both can be used as required; has needle-pointed gas valves. The heater is made of cast iron, lined with asbestos, and covered with steel casing. Call and see them in operation or send for catalogue. . . .

Manufactured by

R. BIGLEY,

96 and 98 Queen
Street East,

TORONTO

Hardware Men

acknowledge that we make the finest line of

COW TIES.

in the world.

This year we are making a specialty of the

PRICE.

♦♦

“AMERICAN” and
“ONEIDA WIRE.”



N.B.—Jobbers who have not already arranged with our traveler should write for 1898 prices.

ONEIDA COMMUNITY, Limited
NIAGARA FALLS, ONT.

John Bowman Hardware and Coal Co.

180 to 182 York St. = LONDON, ONT.

Screen Doors Woven Wire Poultry Netting Fence Wire Paris Green Harvest Tools Builders' Hardware

Full stock of seasonable goods. Prompt shipment. Close prices.

The ...
**Dominion
Wire
Manufacturing
Company,
Limited.**

Manufacturers of _____

MONTREAL.



TORONTO.

Iron, Steel,
Brass and
Copper . .

WIRE

WIRE NAILS and WOOD SCREWS
BRIGHT WIRE GOODS

STEEL and BRASS JACK CHAIN
“CRESCENT” COAT and HAT HOOKS

Ask for “Dominion” Goods.

Guaranteed and
SECOND TO NONE.

EXCELSIOR

Potato Bug Killer

SANDERSON PEARCY & CO.

TORONTO

BUSINESS CHANGES.**DIFFICULTIES, ASSIGNMENTS, COMPROMISES.**

AN informal meeting of the principal creditors of the W. E. Gillespie Co., Limited, general merchants, Penetanguishene, has been held.

Louis E. Davis, bicycle manufacturers, Montreal, has left the city.

John B. Abbott, carriagemaker, Ottawa, has assigned to Peter Larmouth.

S. McDougall, general merchant, Renfrew, Ont., has assigned to J. R. Rochester.

A. H. S. Bessette, general merchant, Magog, Que., has assigned to Kent & Turcotte.

M. E. Thornton, general merchant, Rockland, N.B., is offering 15c. on the dollar.

J. L. Vokes has petitioned for a winding up order on The Toronto Lock Co., Limited, manufacturers cabinet and builders' hardware, Oshawa, Ont.

A meeting of the creditors of Bradley & Co., tinsmiths, St. Thomas, Ont., was held on Thursday last, when Ald. Clark was confirmed as assignee and T. G. Watson, of Copp & Co., Hamilton, was appointed inspector. The estate will be wound up.

PARTNERSHIPS FORMED AND DISSOLVED.

Hiles & Carpenter, general merchants, Armow, Ont., have dissolved, John Hiles continuing.

Gilpin & Lindsay, general merchants, Fort Steele, B.C., have dissolved, George H. Gilpin continuing.

Joseph B. Nadeau and Joseph R. L. Gauthier have registered as partners under the style of Nadeau & Gauthier, general merchants, Farnham, Que.

SALES MADE AND PENDING.

A. L. Orvis, general merchant, Dryden, Ont., has sold out.

Barrett Bros., general merchants, Salmo, B.C., are selling out.

James Snider, general merchant, Norman, Man., has sold out to James Dodds.

A. Laughlin, general merchant, Cartwright, Man., has sold out to James Struthers.

The business of D. B. Parker & Co., general merchants, Harborville, N.S., is advertised for sale.

The sheriff's sale of the property of J. Andrew Hood, stove and tinware dealer, Westville, N.S., is advertised.

The stock of Letang, Letang & Co., wholesale hardware dealers, Montreal, has been sold at 57½c. on the dollar.

CHANGES.

W. H. Deverell, general merchant, Ravenshoe, Ont., has sold out to George Hood.

J. A. Marchand, general merchant, Edmundston, N.B., is removing to Riviere du Loup, Que.

Joseph Huot has registered as proprietor of the firm of Gamelin & Huot, architects, Montreal.

A. McBride & Co., hardware dealers, Innisfail, N.W.T., have sold out to Coulter & Peterson.

McDonald Bros., livery and bicycle dealers, Vancouver, B.C., are discontinuing the bicycle business.

FIRES.

Thomas Ebbage, planing miller and builder, Acton, has been burned out.

S. Phillips & Co., planing mills, Toronto Junction, have suffered slight loss by fire.

D. Conboy, manufacturer of carriage tops, Toronto, has suffered partial damage by fire; fully insured.

A. L. Ashdown, hardware dealer, Portage la Prairie, Man., has suffered \$3,000 loss by fire; fully insured.

DEATHS.

Caleb E. Allan, builder, Shelburne, N.S., is dead.

NEW FIRMS STARTING.

James Campbell has opened out as blacksmith in Churchbridge.

E. J. Brooks and F. MacKay are commencing business under the style of Brooks & MacKay, hardware dealers, Indian Head.

The Canadian Lamp and Brass Works, manufacturers of fancy lamps, etc., have started operations in Montreal.

Standard Steel Toe Calks



WRITE
FOR
DISCOUNTS.



Sizes—No. 0 to 7, 1½ to 3 inches. Price \$1.00 Per Box of 25 lbs. in Bulk, or 24 lbs. in 4 lb. Packages.

Sizes—No. 0 to 5, 1½ to 2¾ inches. Price \$1.25 Per Box of 25 lbs. in Bulk, or 24 lbs. in 4 lb. Packages.

JAMES PENDER & CO., Limited, - Saint John, N. B., Canada.



VanTuyl & Fairbank
Petrolia, Ont.

Headquarters for...

**Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.**



IRON FENCING
and all kinds of

**Iron, Wire and Brass
Work**

Address—
**Toronto Fence and
Ornamental Iron Works**

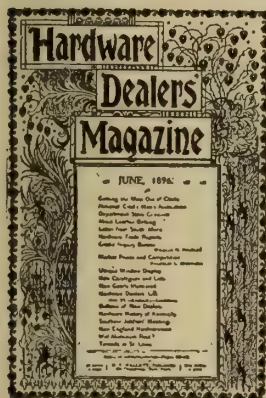
(Joseph Lea, manager
ADELAIDE ST. WEST

The Portland Rolling Mills Co., Limited

Manufacturers of

**Refined Bar Iron
Railway Spikes
Pressed Spikes
Nails and Tacks
"Diamond" Brand Horse Shoes**

ST. JOHN, N.B.



**ONE
DOLLAR
A
YEAR**

★
Sample
Copy
Free

★
D. T. Mallett
Publisher
271 Broadway
New York



"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not.
Perhaps you make as much money on the
sale of a useless Upsetter as on a good
one, but your customer does not. He
don't want a machine because it is called
an Upsetter; he wants a machine to upset
tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

**A. B. JARDINE & CO.
HESPELER, ONT.**

PARIS ELECTRO PLATING CO.

Manufacturers of

**Stove Trimmings, Piano and Organ Trimmings,
Piano Stool Feet, Novelties, etc. Bicycle Work
a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.**

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.

PATENTS PROMPTLY SECURED

Write today for a free copy of our interesting books
"Inventors Help" and "How you are swindled."
We have extensive experience in the intricate patent
laws of 50 foreign countries. Send sketch, model or
photo for free advice. **MARION & MARION,**
Experts, New York Life Building, Montreal, and
Atlantic Building, Washington, D. C.

It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

FULL LINE OF

WAREHOUSE (Portable or Dormant)

HOPPER SCALES

DAIRY SCALES, COUNTER SCALES

WAGON SCALES

TRACK SCALES

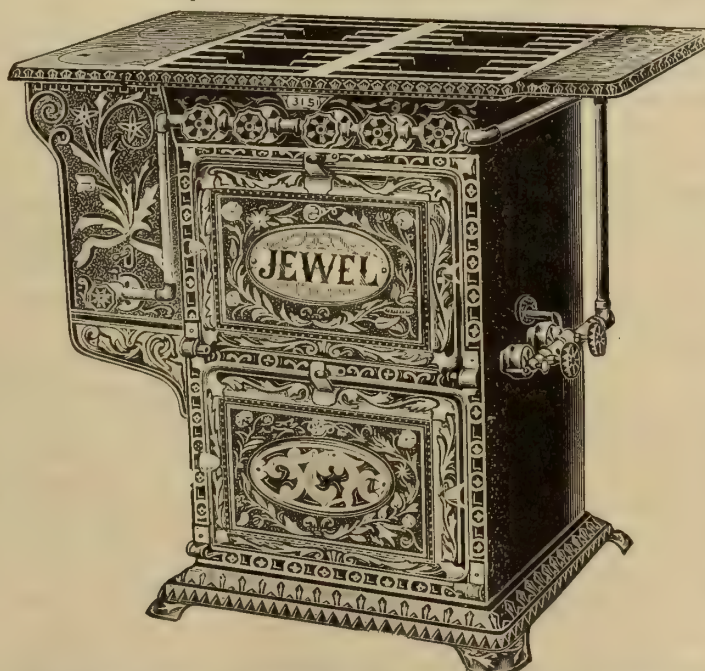
THE GURNEY SCALE CO., - Hamilton, Ont.

WALTER GROSE, 30 St. Dizier St., Montreal, Que.

Agent for Montreal and Eastern Provinces.

Jewel Gas Ranges

Improved Slotted Burners with Removable Thimble Cap.



Well known as
the most perfectly
fitted, most effici-
ent, and success-
ful and most eco-
nomical.

MADE IN

10
STYLES.

Roasting and Bak-
ing Ovens—with or
without Extension
for heating

**Hot Water
Boiler.**

Manufactured by

The Burrow, Stewart & Milne Co., (Limited) Hamilton, Ont.

PAINTS and VARNISH

WHY is the name of THE CANADA PAINT CO., LIMITED, a guarantee of the contents of every package which bears it?

BECAUSE they are Primary Makers and not merely color grinders, i. e.

- (a) They operate their own deposits of Canadian Minerals, which are among the best in the world.
- (b) They manufacture their own colors from the primary chemicals.

BECAUSE as makers of their own pigments and colors they have absolute knowledge of the materials they use and assurance of their quality; besides this, they save the first profit and Customs duty paid by other makers who purchase their pigments.

BECAUSE their manufactures are tested by their own practical experts, who know their business in every detail.

BECAUSE by the most improved machinery and manufacturing in large quantities every economy is exercised, and the purchaser gets the benefit of this.

BECAUSE upwards of a million packages of their goods are used every year with complete satisfaction, and their trade steadily increases.

YOU ARE SAFE therefore in purchasing for your own use any package of Paint or Varnish which bears the name of

The Canada Paint Co., Limited.

THE TRIUMPH OF PROMPTNESS.

"Haste, post, haste! Haste for thy life!" was frequently written upon messages in the days of Henry VIII, of England, with a picture of a courier swinging from a gibbet. Post offices were unknown, and letters were carried by Government messengers subject to hanging if they delayed upon the road.

Even in the old, slow days of stage-coaches, when it took a month of dangerous traveling to accomplish the distance we can now span in a few hours, unnecessary delay was a crime. One of the greatest gains civilization has made is in measuring and utilizing time. We can do as much in an hour to-day as they could in twenty hours a hundred years ago; and, if it was a hanging affair then to lose a few minutes, what should the penalty be now for a like offence?

Cæsar's delay to read a message cost him his life when he reached the senate house.

"Delays have dangerous ends."

Colonel Rahl, the Hessian commander at Trenton, was playing cards when a messenger brought a letter stating that Washington was crossing the Delaware. He put the letter in his pocket without reading it until the game was finished, when he rallied his men only to die just before his

troops were taken prisoners. Only a few minutes' delay, but he lost honor, liberty, life!

General Putnam was plowing with his son Daniel in eastern Connecticut when the news of the battle of Lexington reached him. "He loitered not," said Daniel, "but left me, the driver of his team, to unyoke it in the furrow, and not many days after, to follow him to camp." Alarming the militia and ordering them to join him, he rode all night and reached Cambridge the next morning at sunrise, still wearing the checkered shirt which he had on when plowing.

Success is the child of two very plain parents—punctuality and accuracy. There are critical moments in every successful life when, if the mind hesitates or a nerve flinches, all will be lost.

"Immediately on receiving your proclamation," wrote Governor Andrew, of Massachusetts, to President Lincoln on May 3, 1861, "we took up the war, and have carried on our part of it, in the spirit in which we believe the Administration and the American people intend to act—namely, as if there were not an inch of red tape in the world." He had received a telegram for troops from Washington on Monday, April 15; at nine o'clock the next Sunday he said: "All the regiments demanded from Massachusetts are already either in

Washington, or in Fortress Monroe, or on their way to the defense of the Capitol."

"The whole period of youth," said Ruskin, "is one essentially of formation, edification, instruction. There is not an hour of it but is trembling with destinies—not a moment of which, once passed, the appointed work can ever be done again, or the neglected blow struck on the cold iron."

Napoleon laid great stress upon that "supreme moment," that "nick of time," which occurs in every battle, to take advantage of which means victory, and to lose in hesitation means disaster. He said that he beat the Austrians because they did not know the value of five minutes; and it has been said that among the trifles that conspired to defeat him at Waterloo, the loss of a few moments by himself and Grouchy on the fatal morning was the most significant. Blucher was on time, and Grouchy was late. It was enough to send Napoleon to St. Helena.—Pushing to the Front.

The town of Windsor has a by-law imposing a license of \$200 on transient merchants, who drop in to sell their stocks and then drop out to sell another stock in some other town. John Appleby was recently convicted under this by-law. The conviction was quashed in Single Court at Osgoode Hall on the ground that the by-law did not refer to bankrupt stocks.

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and


Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

MONTREAL, QUE.

Joseph Rodgers & Sons' Cutlery

We would strongly caution Retail Hardware Merchants and the General Public against Imitation makes, bearing such names as "Joseph Rodgers & Co," "Rodgers & Son," etc., etc., as none are Genuine unless bearing the Trade Mark on each blade. * 

James Hutton & Co.

Sole Agents for Canada,
15 St Helen Street,

Montreal

CURRENT MARKET QUOTATIONS.

July 8, 1896

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—
56 and 28 lb. ingots, per lb. 0 17 1/2
Straits 0 17 1/2

Tin Plates.

Charcoal Plates—Bright.
M.L.S., equal to Bradley. Per box
I.C., usual sizes \$5 00
I.X. " 6 25
I.X.X. " 7 50
J. R. & Co.—
I.C. 4 75
I.X. 6 00
I.X.X. 7 25

Famous—
I.C. 5 00
I.X. 6 25
I.X.X. 7 50
Raven & Vulture Grades—
I.C., usual sizes 3 50
I.X. " 4 25
I.X.X. " 5 00
I.X.X.X. " 5 75
D.C., 12 1/2 x 17 3 00
J.X. 3 75
D.X.X. 5 75

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Bessemer Steel.
I.C., usual sizes 3 00
I.C., special sizes, base... 3 15
20x28 6 00

Charcoal Plates—Terne.

Dean or J. G. Grade—
I.C., 20x28, 112 sheets 6 00
I.X., Terne Tin 7 50
I.C., Orion 6 00
I.X., Orion 7 25

Charcoal Tin Boiler Plates.

Cookley Grade—
X.X., 14x56, 50 sheet bxs }
" 14x60 " } 0 05 3/4
" 14x65 " } 0 06
Tinned Sheets.
72x30 up to 24 gauge 0 05 3/4
" 26 " 0 06 1/4
" 28 " 0 07 1/4

Iron and Steel.

Common Bar, per 100 lbs 1 50
" from factory " 1 40
Refined " 1 80
Horse Shoe " 1 80
Band " 1 85
Hoop " 2 00
Swedish " 4 00
Sleigh Shoe Steel " 2 50
Tire Steel 2 50
Machinery 0 10
Cast Steel, per lb 0 12
Thos. Firth & Sons' Cast Steel
Russian Sheet, per lb 0 10 1/2
Tank Plates, 1 1/2 and thicker. 2 00
Boiler Rivets 4 50

Boiler Tubes.

1 1/2-inch 0 06 1/2
2 " 0 07 1/2
2 1/2 " 0 09 1/4
" 0 11

Steel Boiler Plate.

16 inch 2 00
" 1 99

3/8 inch and thicker 1 75

Sheet Iron.

16 gauge and heavier 2 50
18 to 20 gauge 2 25
22 to 24 " 2 25
26 " 2 35
28 " 2 45

Canada Plates.

All dull, 52 sheets 2 25
Half polished 2 35
All bright 3 00

Iron Pipe.

Wrought pipe, per 100 feet, 1/4 to 3/8 inch,
\$1.87 to 2.00; 1/2 inch, \$2.15 to \$2.20; 3/4 inch,
\$2.62; 1 inch \$3.60; 1 1/4 inch, \$4.75; 1 1/2 inch,
\$6.20; 2 inch, \$8.30.

Galvanized, 1/2 inch, \$3.80 to \$4; 3/4 inch,
\$4.80 to \$4.90; 1 inch, \$6.40 to \$6.70; 1 1/4 inch,
\$8.75 to \$9.20; 1 1/2 inch, \$11.25 to \$11.80; 2
inch, \$15.20 to \$16.

Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p. c.

Galvanized Iron.

16 gauge 0 03 3/4
18 to 24 gauge 0 03 3/4
26 " 0 04
28 " 0 04 1/4

Galvanized Sheets.

" Comet," No. 24 \$3 25
" 26 " 3 50
" 28 " 3 75

Chain.

Proof Coil, 3-16 in., per 100 lbs 4 65
" 1/4 " " 3 75
" 5-16 " " 3 25
" 3/8 " " 3 15
" 1/2 " " 2 80
" 5/8 " " 2 75
" 3/4 " " 3 60
Trace, per doz. pairs 1 65
German coil, per 100 ft. 0 13
Jack chain, iron, single, per
doz. yards 0 50
Jack chain, double, per doz.
yards 0 15
Jack chain, brass, single, per
doz. yards 20 10

Copper.

English B. S., ton lots 0 12 1/2
Lake Superior 0 13

Copper.

Ingot. 0 12 1/2
Bolt or Bar. 0 20
Cut lengths, round, 1/2 to 3/8 in.
round and square
1 to 2 inches 0 18
NOTE.—Complete lengths about 15 feet
from 3 to 5 cents a pound.

Sheet.

Untinned, 14 oz., and light, 16
oz., 14x48 and 14x60 0 15
Untinned, 14 oz., and light, 16
oz., irregular sizes 0 15
NOTE.—Extra for tinning, 2 cents per
pound, and tinning and half planishing 3
cents per pound.

Planned and tinned, 14x48
and 14x60 0 25
4x6 ft. 25 to 30 lbs. ea. per lb. 0 17
" 35 to 45 " " 0 15 1/2
" 50-lb. and above, " 0 15

Boiler and T. K. Pitts.

Plain Tinned, per lb 0 21
Spun, per lb 0 25

Wire.

Pure, in coils—
From 1 to 20 gauge, 12 1/2 p. c. off list.
From 20 gauge up, 12 1/2 p. c. off list.

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 30 p. c.
off list.
Sheets, hard-rolled, 2x4 0 20
Tubing, base, per lb 0 22

Zinc Spelter.

Foreign, per lb 0 05
Domestic 0 00

Zinc Sheet.

5 cwt. casks 0 05 1/2
Part casks 0 06

Lead.

Imported Pig, per lb 4 to 4 1/4
Domestic, per lb 0 03 1/2
Bar, 1 lb. 0 05 1/2
Sheets, 2 1/2 lbs. sq. ft., by roll. 0 05 1/2
Sheets, 3 to 6 lbs., per sq. ft.,
by roll. 0 05

NOTE.—Cut sheets 1/2 cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists
at 7 cents per lb. and 27 1/2 per cent. discount.

NOTE.—Cut lengths, net price, waste pipe.
in 8-ft. lengths, lists at 7 1/2 cents.

Solder.

Bar half-and-half 0 12
Standard 0 11 1/2
Wire 0 12

NOTE.—Prices of this graded according to
quantity. The prices of other qualities of
solder in the market indicated by private
brands vary according to composition.

Antimony.

Cookson's, per lb 0 10 1/2
Other makes, per lb 0 08

White Lead.

Pure, Assoc. guarantee, ground in oil,
25 lb. irons 5 75
No. 1 do 5 37 1/2
No. 2 do 5 00
No. 3 do 4 62 1/2
No. 4 do 4 25

Munro's Select Flake White 6 00
Elephant and Decorators' Pure 5 75
Brandram's B. B. Genuine 7 75
James genuine, " No. 1 7 00
" No. 1 6 95
" No. 1 6 45

White Zinc Paint.

Elephant Snow White 0 07
Pure White Zinc 0 07
No. 1 0 06 1/2
No. 2 0 05 1/2

Dry White Lead.

Pure, casks 0 04 1/2
Pure, kegs 0 04
No. 1, casks 0 04 1/2
No. 1, kegs 0 04 1/2

Prepared Paints.

(In 1/4, 1/2 and 1 gallon tins.)
Pure, per gallon 1 00
Second qualities, per gallon 0 90
Barn (in bbls.) 0 70
The Sherwin-Williams Paints 1 20
Canada Paint Co's Pure 1 00

Colors in Oil.

(25 lb. tins, Standard Quality.)
Venetian Red, per lb 0 07
Chrome Yellow 0 11
Golden Ochre 0 06
French 0 05
Marine Black 0 09
Green 0 08
French Imperial Green 0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per
cwt 1 35
Yellow Ochre (J.F.L.S.) bbls.
per cwt 2 75
Yellow Ochre (Royal), per
cwt 1 10
Brussels' Ochre 2 00
Venetian Red (best), per cwt. 1 80
English Oxides, per cwt 3 00
American Oxides, per cwt 1 75

Canadian Oxides, per cwt. 1 75

Burnt Sienna, pure, per lb. 0 10
" Umber, " 0 10
do. aw 0 09

Drop Black, pure 0 09
Chrome Yellows, pure 0 18
Chrome Greens, pure, per lb. 0 12
Golden Ochre 0 03 1/2

Ultra marine Blue in 28-lb.
boxes, per lb. 0 08
Fire Proof Mineral, per 100 lb. 1 00
Genuine Eng. Litharge, per lb. 0 07
Mortar Color, per 100 lb. 1 25

James' Gen. Red Lead, 100 lb 0 04 1/2
Pure Indian Red, No. 45, lb. 0 08
Whiting, per 100 lb 0 50

Paris Green.

Pure, in bbls. 0 16 1/2
250 lb. casks 16 1/2
50 lb. drums 17
1 lb. packages 18
1/2 lb. " 19 1/2
1/4 lb. " 21 1/2

1-lb. tins 0 18 1/2

Sulphate of Copper.

Casks, for spraying, per lb. 0 04 1/2
100-lb. cases, do. per lb. 0 04 1/2

Putty.

Bladders in bbls. 1 80
Bladders in 100 or 200 lb. kegs or bxs 1 95
Bulk in bbls., per 100 1 65
Bulk in less quantities 1 30
25-lb. tins, 4 in case 2 05
12 1/2-lb. tins, 8 in case 2 30

Quotations f.o.b. Toronto—10c. per 100 lbs.
extra Hamilton, London, Guelph.

Varnishes.

(In bbls.) per gal.
Carriage, No. 1 1 50
Extra do. 2 50
Body Varnish 4 50
Furniture Varnish 0 65
Extra do. 0 90
Demar Varnish 1 60
Hard Oil Finish 1 40
Orange Shellac Varnish 2 00
White Shellac 2 20
Rubbing Varnish 2 50
Polishing Varnish 2 50

Linseed Oil.

Raw, per gal. net 0 49
Boiled, per gal. net 0 52
Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net 0 42
Outside points 1c. more

Castor Oil.

In cases, per lb 0 10 1/2
Small lot 0 11 1/2

Cod Oil, Etc.

Cod Oil, per gal. 0 50
Pure Olive 1 20
" Neatsfoot 90

Glue.

(In bbls.)
Common 0 09
French Medal 0 12
Cabinet, sheet 0 11
White, extra 0 16
Gelatin 0 22
Strip 0 16
Coopers 0 19

Al clear 0 09
Liquid Glue—F. LePage's, discount 20 to 25
per cent off list; Munn's, discount 25 to 30
per cent. off list.

HARDWARE.

Ammunition.

Cartridges.
B. B. Caps, Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p. c. Amer.

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.

Shot.
Canadian, common, 7½ per cent.
Brass Shot Shells, 55 and 10 per cent
imers, Dom., 30 per cent.
Wads.—Baldwin

Best thick white felt wadding, in ½-lb bags, 1 00
Best thick brown or grey felt wads, in ½ lb. bags, 0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges 0 99
Best thick white card wads, in boxes of 500 each, 10 gauge 0 35
Best thick white card wads, in boxes of 500 each, 8 gauge 0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges, 0 20
Thin card wads, in boxes of 1,000 each, 10 gauge, 0 25
Thin card wads in boxes of 1,000 each 8 gauge 0 25
Chemically prepared black edge grey cloth wads, in boxes of 250 each— Per M
11 and smaller gauge 0 60
9 and 10 gauges 0 70
7 and 8 gauges 0 90
5 and 6 gauges 1 10
Superior, chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
11 and smaller gauge 1 15
9 and 10 gauges 1 40
7 and 8 gauges 1 65
5 and 6 gauges 1 90

Anvils.
Per lb. 10 0 12½
Anvil and Vice combined, each, 4 50
Wilkinson & Co.'s Anvils, lb. 09 0 09½
Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
Gilmour's, discount 65 p.c. off revised list.
Hollow Stearn's, per dozen 13 00 20 00
Adjustable Stearn's, each 4 50 6 50
Post-hole, Vaughan's, each 60 90
Excelsior, Jennings', discount 50 per cent.

Awls.
Sewing, per gross 0 65 1 59
Pegging, " 0 65 1 25
Brad, " 0 85 1 60
" handled, per gross 3 60 30
Saddlers, per gross 0 45 1 60

Awl Hafts.
Patent Peg, per gross, 7 25 8 00
Sewing, per gross, }

Awl and Tool Sets.
Miller's Falls, per doz. 2 80 3 30

AXES.
Splitting Axes, 5 25 5 50
Chopping Axes—
Single List, per doz. 6 00 12 00
Double List, " 11 00 18 00

Axle Grease.
Per gross 6 00 13 00

Bath Tubs.
Zinc, discount, 3 90 4 00
Copper, discount, 40 and 10 p.c. off revised list.
Steel clad, 20 per cent. discount off revised list

Boxing extra
Bells.
Hand.

Brass, 60 per cent.
Nickel, 55 per cent.

Door.
Gongs Sargent's, 5 50 8 00
" Peterboro', discount 50 per cent.

Cow.
American-make, discount 66½ per cent.
Canadian, discount 45 and 50 per cent.

Farm.
American, each 1 25 3 00

House.
American, per 0 35 0 40

Bellows.
Hand, per doz. 3 35 4 75
Moulders', per doz. 7 50 10 00
Blacksmiths', discount 60 per cent.

Belting.
Extra, 45 per cent.
Standard, 45 and 10 per cent.
Agricultural, 65 and 5 p.c.

Bench Stops.
Per doz 5 00 6 00

Bits.
Auger.

Gilmour's, discount 65 and 5 per cent.
Excelsior, discount 60 per cent.
Rockford Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list to 5 p.c. discount.

Car.
Gilmour's, 47½ to 50 per cent.
Expansive.

Clark's 40 per cent.
Excelsior, 10 per cent.

Gimlet.
Clark's, per doz 0 65 0 90
Diamond, Shell, per doz. 1 00 1 50
Nail and Spike per gross 2 25 5 20

Blind Rollers.

Annex, per doz 1 25 1 75
Mascott, " 1 35 1 85
Erminie, " 1 00 0 00

Blind and Bed Staples.

All sizes, per lb 7¼ 0 12

Bolts.

Carriage, dis. 60 and 10 to 70 p.c.
Tire, dis. 70 and 5 per cent.
Stove dis. 70 per cent.
Elevator, dis. 35 to 40 per cent
Machine, dis., 70 p.c.
Coach Screws, dis. 70 and 10 p.c.
Plough bolts, 60 p.c.

Boring Machines.

Complete, with augers, each. 5 00 7 50

Braces.

Barber's 6 00 7 75
Barber's Ratchet 10 00 11 00
Farmers 2 00 2 75
Miller's Falls 15 50 29 00

Brackets.

Shelf.

Japanned Canadian, per doz. 0 50 3 40
pairs
Berlin Bronze Canadian 0 85 3 20

Broilers.

Light, dis. 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ percent.
Henis, No. 8, " 6 00
Henis, No. 9, " 7 00
Queen City " 7 50 0 00

Butchers' Cleavers.

German, per doz. 6 00 11 00
American, per doz. 12 00 20 00

Butts.

Brass.

Wrought Brass, dis., 17½ p.c. revised list.
Cast Iron.
Loose Pin, dis. 70 per cent.

Wrought Steel.

Fast Joint, dis. 70, 10 and 5 to 75 p.c.
Loose Pins, dis. 70, 10 and 5 to 75 p.c.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Can Openers.

Acme, per gross 9 00 10 00
Sardine Scissors, per doz 3 75 4 50

Card.

Horse, per doz. 0 60 1 00

Carpet Stretchers.

American, per doz 1 00 50
Bullards, per doz 6 50

Carpet Sweepers.

Bissell, per doz 22 50
World, " 21 75
Daisy, " 24 00
Star " 18 00
Crown Jewel, per doz. 29 00
Grand Rapids, " 24 00 33 00

Cartridges.

(See Ammunition.)

Castors.

Bed new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos. 31 and 32, per gross. 8 50 9 50

Cement.

Canadian, Portland, 2 50
English " 2 85
Belgium " 2 75
Canadian hydraulic 1 20
Figures are for barrel lots.

Chalk.

Carpenters Colored, per gross 0 45 0 75
White lump, per cwt. 0 60 0 65
Red " 0 05 0 06
Crayon, per gross 0 14 0 18

Chisels.

Socket, Framing and Firmer.

American, dis. 75 to 77½ per cent.
Canadian, dis. 50 and 10 per cent.
Tanged firmer, per doz 0 85 4 00

Churns.

Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.
Steel, net. 3 00

Clamps.

Judd's, dis. 20 per cent.
Stearns, per doz 3 00 10 00

Clips.

Axle dis 65 per cent.

Closets.

Washout, plain 3 25
" embossed 3 50

Coffee Mills.

Box 3 60 13 00
Side 3 60 4 00
Enterprise, No. 0 1 35
No. 2 70

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent

Cradles, Grain.

Canadian dis. 20 per cent.

Dies.

Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.

Torrey's Rod, per doz. (15 p.c. 2 00
Coil, per doz 0 88 1 60
English per doz. 2 00 4 00

Draw Knives.

American, dis. 70 and 10 per cent.
Canadian, dis. 25, 50 and 10 per cent.

Drills.

Hand and Breast

Miller Falls, per doz. 16 00 51 50
P. S. & W., dis. 40 per cent.

DRILL BIT.

orse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz 85 1 70

FAWCETS.

Cork Lined, per doz. 0 30 0 35
Wine, per doz. 1 30 3 25
Star, " 2 80 3 90
Penn's Corkstops, No. 2, per dozen 1 70
Petroleum, per doz. 4 50 6 50

FILES AND RASPS.

Globe File Mfg. Co.'s dis., files and rasps, 60 and 10 to 70 per cent.
Toronto File Co.'s dis., files and rasps, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Heller's Horse Rasps, 50 to 50 and 5 per cent.
Jovitt's, English list, 25 to 27½ per cent.
American, 60 to 60 and 5 per cent.
Great Western, 60 and 10 per cent.
Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.

FLUTING MACHINES.

Each 0 60 2 00

FORKS.

Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS

Ice Cream.

Gem from \$1.25 to \$7 net.
White Mountain, 1 to 25 qt. 1 35 13 50
Arctic, dis. 50 p.c.

FRUIT PRESSES.

Henis, per doz. 3 25 3 50
Shepard's Queen City, dis. 15 per cent.

FRY PANS.

Acme, dis. 65 to 67½ per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's, dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each. 1 65 2 40

GLASS.

Window.

Box Price.

Size United Inches.	Star.		Double Diamond.	
	Per 50 ft.	Per 100 ft.	Per 100 ft.	Per 100 ft.
Under 25	1 45	2 75	4 00	
26 to 40	1 55	3 05	4 35	
41 to 50		3 45	5 00	
51 to 60		3 75	5 70	
61 to 70		4 05	6 55	
71 to 80		4 45	7 10	
81 to 85		5 00	8 10	
86 to 90			9 30	
91 to 95			10 70	
96 to 100			12 75	
101 to 105			14 25	
106 to 110			16 50	

Tinned, each 0 30
Enamelled each. 0 55

GRINDSTONE FIXTURES

Per doz. 3 60 4 00

HAMMERS.

Nail

Maydole's, dis. 5 to 10 per cent. Can., dis 25 to 27½ per cent.

Tack.

Magnetic per doz. 1 10 1 20

Sledge.

Canadian, per lb 0 07½ 0 08½

Ball Pean.

English and Can., per lb. 0 22 0 25

HANDLES.

Axe, per doz., net, 1 50 2 00
Store door, per doz 1 00 1 50
Chest, per doz. pairs 0 40 2 50

Chisel.

Firmer, per gross 3 00 4 50
Socket Firmer, per gross 3 25 8 00
Socket Framing, per gross. 3 75 5 00

Fork.

C. & B., dis. 45 per cent. rev. list.

Hoe.

C. & B., dis. 45 per cent. rev. lis

Saw.

American, per doz. 1 00 1 25

Plane.

American, per gross. 3 15 3 75

Hammer and Hatchet.

Canadian, 45 per cent.

Cross-Cut Saw.

Canadian, per pair 0 13½ 0 20

HANGERS.

Door, 4 and 5 inch, per pair. 0 40 0 50
Lanes, 62½ per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cen
" Shepard's Noiseless, dis. 60 per cent.
" Buffalo, dis. 60 to 70 p.c.
Light T and strap, 70 and 10 p.c.
Heavy, per lb 0 03½ 0 04½
Screw hook and hinge—
6 to 12 in., per 100 lbs. 3 15
14 in. up, per 100 lbs. 2 35
Screw. Eureka. Per doz. set. 1 13 1 80
Gate, Clark's, 1 50 2 20
" Shepard's, dis. 50 to 60 per cent.
Spring. Per gro. pair. 9 50
" Shepard's Samson. 1 20

HOES.

Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
Planter, per doz. 4 00 4 50

HOOKS.

Cast Iron.

Bird Cage, per doz. 0 50 1 10
Clothes Line, per doz 0 27 0 63
Harness, per doz 0 72 0 88
Hat and Coat, per gross. 1 00 3 00
Chandelier, per doz 0 50 1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.


Hat and coat, dis. 60 to 60 and 10 p.c.
Belt, per 1,000 0 60 70
Screw, bright, Eng., dis. 60 per cent.

HORSE NAILS

" P. B.", dis. 50 p.c.
" C" brand, 50 p.c. dis.
" M" brand 50 p.c.
Acadian, 50 and 20 per cent.

HORSE SHOES.

Light and medium pattern per keg 3 25
Snow Shoes. 3 50
Steel Shoes, light 3 50
" extra light, Nos. 5 00
0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 1

LOCKS.			PULLEYS.			SCREWS.			Leather carpet tacks.....		
Canadian, dis. 50 p.c.			Hothouse, per doz.....	0 55	1 00	Wood, F. H., iron, and steel, dis. 87½ & 10 p.c.			Trunk nails, black and tinned.....	75	
Russell & Erwin, per doz....	1 75	7 50	Axle.....	0 22	0 33	Wood, R. H., " dis. 80 and 10 p.c.			Clout nails.....	75	
Cabinet,			Screw.....	0 27	1 00	" F. H., brass, dis. 82½ and 10 p.c.			Cigar box nails.....	45	
Eagle, dis. 30 p.c.			Awning.....	0 35	2 50	" R. H., " dis. 75 and 10 p.c.			Lining nails in papers.....	15	
Padlock.			PUMPS.			Drive Screws, 87½ and 10 per cent.			" " in bulk.....	15	
English and Am., per doz....	0 50	6 30	Canadian cistern.....	1 40	2 25	Bench, wood, per doz.....	3 25	4 00	" " solid heads, in bulk.....	70	
Scandinavian, ".....	1 00	2 40	Canadian pitcher spout.....	1 15	2 00	" iron, ".....	4 25	5 75	Saddle nails in papers.....	10	
Eagle, dis. 15 to 17½ p.c.			PUNCHES.			SCYTHES.			" " in bulk.....	15	
MACHINE SCREWS.			Sadders', per doz.....	1 00	1 85	Discount, 60, 10 and 5 p.c. revised list.			Tinned capped trunk nails.....	15	
Iron and Brass.			Conductors', per doz.....	9 00	15 00	SCYTHE SNATHS.			Double pointed tacks, discount 90 p.c.		
Flat head, discount 25 p.c.			Tinners' solid, per set.....	0 00	0 72	Canadian, dis. 45 to 50 p.c.			TAPE LINES.		
Round Head, discount 20 p.c.			" hollow, per inch.....	0 00	1 00	SHEARS.			English, ass skin, per doz....	2 75	5 00
MAGNOLIA METAL, ETC.			RAIL.			B. & W., japanned, dis. 75 p.c.			English, Patent Leather.....	5 50	9 75
Magnolia Anti-Friction Metal, per lb.	25		Barn door, per foot.....	0 02½	0 02½	B. & W., N.P., dis. 65 p.c.			Chesterman's, each.....	0 90	2 85
No Name Metal.....	"	15	Sliding door, ".....	0 03¼	0 03¼	Seymour's, dis. 60 p.c.			" steel, each.....	0 80	8 00
Mystic Metal.....	"	10	Lanes, ".....	"	0 02½	Etna, dis. 75 to 75 and 10 p.c.			THERMOMETERS.		
F. O. B. New York or Chicago.			RAKES.			Heinisch, dis. 60 p.c.			Tin case and dairy, dis. 75 to 75 and 10 p.c.		
MALLETS.			Cast steel and malleable Canadian, list dis			Bristol, japanned, 80 p.c.			THIMBLES.		
Tinsmiths', per doz.....	1 25	1 50	60 to 60, 10 and 5 p.c. revised list.			" N.P., dis. 70 p.c.			Asbestos, filled, per doz., 35 to 40 p.c.		
Carpenters', hickory, per doz.	1 25	3 75	Wood, 25 per cent.			Clauss, full nickel, 60 p.c.			TIES.		
Lignum Vitae, per doz.....	3 85	5 00	RAZORS.			" japanned handles, 67½ p.c. off.			Cow, per doz.....	1 25	2 00
Caulking, each.....	1 60	2 00	Geo. Butler & Co.'s, per doz..	8 00	18 00	Seymour or Heinisch tailor shears, 15 p.c.			TINNERS' TOOLS.		
MATTOCKS.			Bokers, ".....	7 50	11 00	Sliding door, per set.....	0 77	1 40	P. S. & W., 10 p.c.		
Canadian, per doz.....	8 50	10 00	Wade & Butcher's, ".....	3 60	10 00	SHOVELS AND SPADES.			Canadian, 35 to 37½ per cent.		
American, 60 and 10 p.c. off list.			Arbenz's, ".....	9 00	18 00	Canadian, dis. 40 and 10 to 45 and 2½ p.c.			TINWARE.		
MEAT CUTTERS.			Theile & Quack's ".....	7 00	12 00	SIEVES.			Stamped, dis., Assn. list, 80 and 10 per cent.		
American, dis. 30 to 32½ p.c.			RAZOR STROPS.			Wood rim, black, per doz....	1 05	1 10	Japanned, prices on application		
German, 15 per cent.			Currier's, per doz.....	1 25	3 60	" tinned, ".....	1 25	1 35	Pieced, prices on application.		
MINCING KNIVES.			RIVETS AND BURRS.			Tin rim, per doz.....	2 30	2 45	TOE CALKS		
American, per doz.....	0 42	2 35	Carriage, Section, Wagon Box Rivets, etc.,			" black.....	1 85	2 25	Blunt Calks, per box.....	1 00	
MOLASSES GATES.			(Steel), 65 p.c.			SNAPS.			Sharp Calks, ".....	1 25	
Stebbin's Patent, dis. per cent., 77½ per cent			Carriage, Section, Wagon Box Rivets, etc.,			Harness, German, dis. 35 to 37½ p.c.			TRANSOM LIFTERS.		
NAILS.			(Norway Iron), 60 p.c.			Acme.....	3 00	5 00	Payson's, per doz.....	2 60	
Cut Nails (Iron). Quotations are:			Black M. Rivets (Steel), 65 p.c.			Lock, Andrews.....	4 50	11 50	TRAPS. (Steel.)		
2d. and 3d.....	\$2 85		Black and Tinned Rivets, 60 and 5 to 65 and 5			SOLDERING IRONS.			Game, Newhouse, dis. 40 p.c.		
3d.....	2 50		p.c.			Per lb.....	0 25		Game, H. & N., P. S. & W., 65 p.c.		
4 and 5d.....	2 25		Copper Rivets & Burrs, 50 p.c. dis.			WROUGHT SPIKES.			Game, steel, 72½, 75 p.c.		
6 and 7d.....	2 15		cartoons, 1c. per lb. extra, net.			Discount, 35 to 40 per cent.			Mouse, per doz.....	0 35	1 50
8 and 9d.....	2 00		Burrs, iron or steel, 55 and 5 per cent.			SPOKE SHAVES.			Rat, per doz.....	1 40	6 50
10 and 12d.....	1 95		Terms, 4 mos. or 3 per cent. cash 30 days.			Wood, English.....	1 80	5 00	TROWELS.		
16 and 20d.....	1 90		RIVET SETS.			Iron, American.....	1 35	2 35	Disston's, discount 10 per cent.		
30, 40, 50 and 60d. (base).....	1 85		Canadian, dis. 35 to 37½ per cent.			SPOONS AND FORKS.			German, per doz.....	4 75	6 00
Cut Nails (Steel). Add 10c. to the prices in			ROPE, ETC.			Tea spoons, per gross.....	7 50	12 00	Brade's.....	5 00	10 50
list for iron nails.			7-16 in. and larger, per lb	11½	13½	Oessert, ".....	21 00	00 00	S. & D., discount 35 per cent.		
Wire Nails, basis, \$185, Toronto.			¾ in.....	12½	13½	Table, ".....	30 00	30 00	TRIERS.		
Brads and finishing nails, special sizes, 80			¾ and 5-16 in.....	12½	14½	Dessert Forks, ".....	24 00	00 00	Butter, per doz.....	6 25	9 00
p.c. from new list.			Cotton.....	13	14½	Medium ".....	27 00	00 00	TWINES.		
NAIL PULLERS.			Russia Deep Sea.....	6¾	7½	Table ".....	36 00	00 00	Bag, Russian, per lb.....	0 21	
German and American.....	1 85	3 50	Lath Yarn.....	10½		SQUARES.			Wrapping, mottled, per pack.	0 50	0 60
NAIL SETS.			RULES.			Iron, per doz.....	1 65	2 90	Wrapping, cotton, per lb.....	0 17	0 18
Square, round, and octagon,			Boxwood, dis. 80 and 10, to 80 and 12½ p.c.			Steel, dis. 70 per cent., revised list.			Mattress, per lb.....	0 37	0 45
per gross.....	3 38	4 00	Ivory, dis. 37½ to 40 p.c.			Try and bevel, dis. 50 to 52½ p.c.			Staging, ".....	0 23	0 35
Diamond.....	12 00	15 00	SAD IRONS.			STAPLES.			Broom, ".....	0 30	0 55
NETTING.			Mrs. Potts, per set.....	0 62½	1 00	Fence, galvanized.....	2 25	2 50	VISES.		
Poultry, 67½ per cent. for imported,			" N.P., per set.....	"	90	Wrought iron, dis. 80 to 82½ p.c.			Hand, per doz.....	4 00	6 00
55 per cent. for McMullen's.			SAD HEATERS.			STOCKS AND DIES.			Bench, parallel, each.....	2 00	4 50
OIL.			Dome, Shepard's, per doz....	4 75	5 00	American, dis. 25 p.c.			Coach, each.....	6 00	7 00
Canada refined oil (Toronto).....	0 14		SAND AND EMERY PAPER.			STONE.			Peter Wright's, per b.....	0 12	0 13
Carbon safety ".....	0 16½		Dominion Flint Paper, 47½ per cent.			Washita, per lb.....	0 28	0 60	Pipe, each.....	5 50	9 00
American w. w. ".....	0 17½		B. & A. sand, 40 and 2½ per cent.			Hindustan, ".....	0 06	0 07	Saw, per doz.....	6 50	
Pratt's Astral.....	0 17		Emery, 40 per cent.....			slips, per lb.....	0 09	0 09	WASHER CUTTERS.		
OILERS.			SASH CORD.			Labrador, ".....	0 13		400		
McClary's Model galvan. oil			Per lb.....	20	50	Axe, ".....	0 15		Washers "Iron," 40 per cent., 4 months		
can, with pump, 5 gal.,			SASH LOCKS.			Turkey.....	0 50		per cent.		
per doz.....	0 00	9 00	Triumph and Morris, dis. 37½, 40 per cent.			Arkansas.....	0 00	1 50	WELL WHEELS.		
Zinc and tin, dis. 50, 50 and 10.			Kempshell's, dis. 40, 62½ per cent.			Water-of-Ayr.....	0 00	1 00	Amer, per doz., 8, 10 and 12		
Copper, per doz.....	1 25	3 50	Canadian, dis. 45, 50 per cent.			Scythe, per gross.....	3 50	5 00	inch.....	3 38	
Brass, ".....	1 50	3 50	SASH WEIGHTS.			Grind. per ton.....	15 00	18 00	WIRE.		
Malleable, dis. 25 per cent.			Sectional, per 100 lbs.....	1 40	1 75	Stove Polish.			Brass Wire, 16 to 25 wire gauge, 12½ p.c.		
PAIS.			Solid, ".....	"	1 25				Copper Wire, 12½ p.c.		
Galvanized, per doz.....	1 85	3 00	SAWS.			No. 4-3 dozen in case.....	\$4 50		Annealed, annealed and oiled, 35 per cent.		
PENCILS.			Crosscut, McMillan & Haynes,			No. 6-3 dozen in case.....	7 50		galvanized, 30 per cent.		
Dixon's, per gross.....	1 00	4 25	per dozen.....	0 40	0 70	TACKS, BRADS, ETC.			[In lots of 1,000 lbs., 35 per cent. discount,		
" Carpenter.....	2 25	3 60	"Empire," McMillan & Haynes,			Cheese-box tacks, blue, 80 and 20 p.c.			annealed oiled, and annealed and gal-		
PICKS.			per ft.....	0 00	0 70	Trunk tacks, black, 80 and 12½ p.c.			vanzied, freight will be prepaid when not		
Per doz.....	6 00	9 00	Hand, Disston's, dis. 12½ to 15 p.c.			" tinned, 80 and 12½ p.c.			exceeding minimum rate of 20c. per 100		
PICTURE NAILS.			S. & D., 40 to 40 and 10 per cent.			B.B.B. iron carpet, blued.....	80		lbs.)		
Porcelain head, per gross....	1 40	3 00	Crosscut, Disston's, per ft.....	0 35	0 55	" tinned.....	80		Bright wire, coppered steel and spring, 33½		
Brass head, ".....	0 40	1 00	S. & D., dis. 35 p.c. on Nos. 2 and 3.			B.B.B. cut tacks (in bulk).....	80		to 35 p.c. revised list, f.o.b. Montreal,		
PIPE CUTTING MACHINERY			Hack, complete, each.....	0 75	2 75	" ¼ weights, 4 to 14.....	50		Toronto or Hamilton.		
Forbes Patent Die Stocks.—Curtis & Curtis			frame only.....	0 00	0 75	WIRE FENCING.			Broom Wire, per lb.....	0 05½	0 06
Mfrs., Bridgeport, Conn.			SAW SETS.			F.O.B. From			Clothes Line Wire, 19 gauge,		
No. 30 Hand Machine, range ¼ to			"Lincoln," McMillan &			No. 4-3 dozen in case.....	\$4 50	Cleveland	per 1,000 feet.....	2 75	3 00
2 in. R. & L.....	\$ 50 00		Haynes, per doz.....	6 00	7 50	No. 6-3 dozen in case.....	7 50	Stock	WIRE CLOTH.		
No. 38 Hand Machine, range 1½			Whiting.....	5 63	7 00	TACKS, BRADS, ETC.			Fainted Screen, per 100 sq. ft.....	1 20	
to 4.....	100 00		SCALERS			Cheese-box tacks, blue, 80 and 20 p.c.			Terms 4 months or 3 per cent. 30 days.		
No. 56 Hand Machine, range 2½			Gurney Scales, 50 p.c.			Trunk tacks, black, 80 and 12½ p.c.			WRENCHES.		
to 6.....	175 00		B. S. & M. Scales, 50 p.c.			" tinned, 80 and 12½ p.c.			Acme, 35 to 37½ per cent.		
PLANES.			Champion 60 per cent			B.B.B. iron carpet, blued.....	80		Agricultural, 70, 10 and 5 to 75 p.c.		
Wood, bench, Canadian dis. 55 per cent.			SCREENS.			B.B.B. iron carpet, bright or blued (in			Standard, dis. 60, 60 and 10 per cent.		
American dis. 55.			Window, patent, per doz....	7 00	10 00	kegs).....	40		Coe's Genuine, dis. 30 to 32½ p.c.		
Wood, fancy Canadian or American, 37½			Door, per doz.....	2 20	3 00	B.B.B. cut tacks (in bulk).....	80		Standard, dis. 33½ to 35 per cent.		
to 40 per cent.			SCREW DRIVERS.			" ¼ weights, 4 to 14.....	50		Towers' Engineer, each.....	2 00	7 00
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.			Sargent's per doz.....	0 65	4 00	Swedes, cut tacks, genuine, blued and			" S., per doz.....	5 80	6 00
Miscellaneous, dis. 25 to 37½ per cent.			SAWS.			tinned.....	80		G. & K.'s Pipe, per doz.....	3 40	
Bailey's Victor, 25 per cent.			Crosscut, McMillan & Haynes,			Swedes, upholsterers, 80 and 20.			Burrell's Pipe, each.....	3 00	
PLANE IRONS.			Whiting.....	5 63	7 00	Swedes, carpet, blued and tinned.....	70		Pocket, per doz.....	25	2 00
English, per doz.....	2 00	5 00	SCALES			" brush.....	50		WIRE CLOTH.		
PLIERS AND NIPPERS.			Gurney Scales, 50 p.c.			" gimps, blued, tinned & japan'd			Fainted Screen, per 100 sq. ft.....	1 20	
Button's Genuine, per doz. pairs, dis. 37½			B. S. & M. Scales, 50 p.c.			Zinc tacks.....	35		Terms 4 months or 3 per cent. 30 days.		
40 p.c.			Champion 60 per cent			Copper tacks.....	62½		WRENCHES.		
Button's Imitation, per doz..	5 00	9 00	SCRAPERS			TACKS, BRADS, ETC.			Acme, 35 to 37½ per cent.		
German, per doz.....	0 60	2 60	Box, per doz.....	2 10	4 50	Cheese-box tacks, blue, 80 and 20 p.c.			Agricultural, 70, 10 and 5 to 75 p.c.		
PLUMBS AND LEVELS.			Boot, ".....	0 40	3 50	Trunk tacks, black, 80 and 12½ p.c.			Standard, dis. 60, 60 and 10 per cent.		
S.R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.			SCREENS.			" tinned, 80 and 12½ p.c.			Coe's Genuine, dis. 30 to 32½ p.c.		
POPPERS.			Window, patent, per doz....	7 00	10 00	B.B.B. iron carpet, blued.....	80		Standard, dis. 33½ to 35 per cent.		
Corn, square, per doz.....	1 35	2 00	Door, per doz.....	2 20	3 00	B.B.B. cut tacks (in bulk).....	80		Towers' Engineer, each.....	2 00	7 00
PRUNING SHEARS.			Sargent's per doz.....	0 65	4 00	" ¼ weights, 4 to 14.....	50		" S., per doz.....	5 80	6 00
Per doz.....	4 00	5 50	SAWS.			Swedes, cut tacks, genuine, blued and			G. & K.'s Pipe, per doz.....	3 40	

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays

10 cents

HARDWARE AND METAL, Toronto

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Board of Trade, Montreal



FERNALD
WIRE ANTI-RATTLER

Patented
in
Canada
Apr. 4, 1898

We also manufacture Burton's Nos. 1, 2 and 3 Gem Wire and Wire Drive Anti-Rattlers, Becker Game Trap and Dandy Clothes Rack. Ask your Jobber for them, or send to us for prices and circulars.

FERNALD MFG. CO., Northeast, Pa., U.S.A.

CHARLES F. CLARK, President. J. CHITTENDEN, Treasurer.
ESTABLISHED 1849.

THE BRADSTREET MERCANTILE AGENCY

THE BRADSTREET COMPANY,

Executive Offices Proprietors.

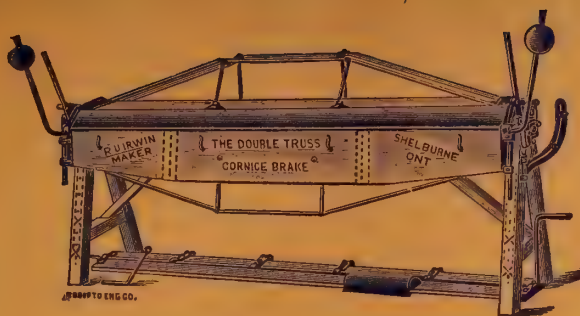
NOS. 346-348 BROADWAY NEW YORK

Offices in the principal cities of the United States, Canada, the European Continent, Australia, and in London, England.

The Bradstreet Company is the oldest and, financially, the strongest organization of its kind—working in one interest and under one management—with wider ramifications, with more capital invested in the business, and it expends more money every year for the collection and dissemination of information than any similar institution in the world.

TORONTO OFFICE.

McKinnon Building, Cor. Jordan and Melinda Sts.
THOS. C. IRVING, Superintendent



This eight-foot Brake bends 22-gauge iron and lighter, straight and true

Price, \$50

Very handy bend-r attachment, \$10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

Brushes for Plumbers and Steamfitters

We keep on hand a special line of *Radiator Brushes, Furnace Brushes, Water-Closet Brushes, etc.*

Our All-Steel *Champion Furnace Brush* is the best value in the market.

MEAKINS & CO.

313 St. Paul Street

MONTREAL

Baylis Manufacturing Co.

16 to 30 Nazareth Street. MONTREAL

VARNISHES
WOOD FILLERS
OILS

JAPANS
WHITE LEAD
AXLE GREASE

LACQUERS
PAINTS
Etc.

WRITE FOR PRICES.

Church's Potato Bug Finish

READY FOR USE DRY.

NO MIXING REQUIRED.

The only safe way to use a strong poison.

Worth its cost as a Fertilizer.

Does not injure the vines.

300 pounds net in every barrel. Price, f.o.b. Paris, four barrels for \$10.00. Send in your orders now.

THE ALABASTINE COMPANY, Sole Manufacturers, PARIS

Est. 1863

Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve

TRADE

MARK.

Medals



Awarded

By **JURORS** at

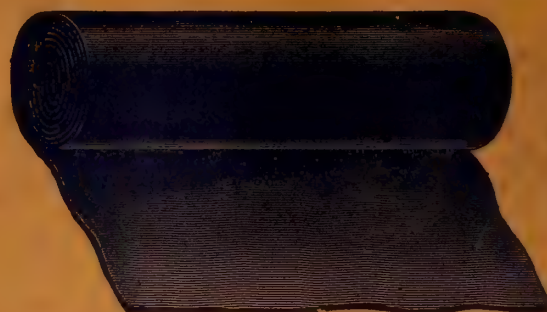
International Expositions
Special Prize

Gold Medal at Atlanta, 1895



HAVE YOU TRIED IT ?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

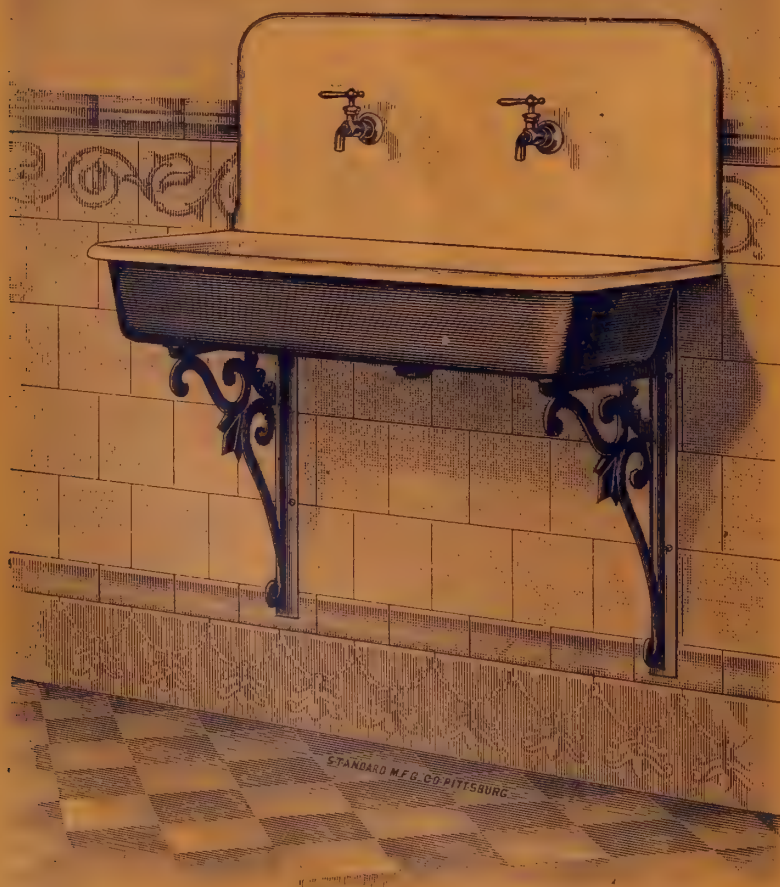
Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.



For Sanitary Reasons

you can recommend our
Enamelled Sinks. No place
for dirt to lodge.

We are headquarters for
up-to-date Plumbing Goods.

Our Prices are right.

Give us a call, or write.

THE . . .

James Robertson Co.

Limited

263-285 King St. West

TORONTO

Telephones 819, 1511, 1292.

HARDWARE

AND METAL
MERCHANT

VOL. X

MONTREAL AND TORONTO, JULY 16, 1898

No. 29



Magnolia Metal

*Best Anti-Friction Metal for
all Machinery Bearings.*

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamped
on the under side of
each bar.



MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Traders' Building.
MONTREAL—Caverhill, Learmont & Co.
General Dominion Agents.

Owners and Sole Manufacturers,
266 and 267 New York
West St.,

Another Victory.

"QUEEN'S HEAD," the old and very popular brand
of Galvanized Iron, has held its own against all competitors.
The sales for six months ending 30th June are far in excess
of those of the same period in former years.

**JOHN LYSAGHT, Limited,
BRISTOL and MONTREAL.**

11 Years of Progress

for Radiators. Eleven years of progress mark its supremacy—its achievements. It has withstood the unequalled test of time.

Reasons: No bolts, rods or packing. Light, durable, perfect finish of castings. Stand a pressure of 140 pounds to the square inch. Free, positive, quick circulation of heat. Fit curves, circles, angles. You can't buy better than the "best" there is or can be.

There is an old saying, but a good one:
"You can't stand still—you must either progress or go
backwards." Leaky Radiators are relics of an old-fashioned
past—the Safford Radiator has screw nipple connections
and can't leak.

It is the result of progressive action on the part of
the largest Radiator Manufacturers under the British Flag.
It is the original invention in pipe-threaded connections

The Safford Radiators

FREE BOOK ALL
ABOUT THEM—FOR A
POST CARD.

The Toronto Radiator Mfg. Co.
Limited
Toronto, Ont.

RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President.

A. BURDETT LEE, V. P. and Treas.

Importers of . . .

Bar Iron
Steel
Boiler Plate
Shelf and Heavy
Hardware



MANTELS
GRATES
TILES
Cutlery . .

FINE BUILDERS' HARDWARE.

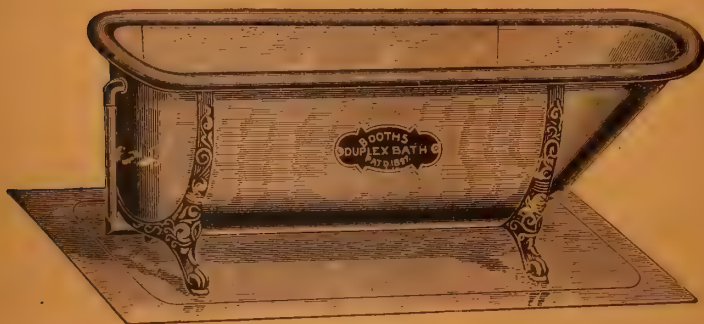
Cor. King and Victoria Streets

...TORONTO

“Solidity”

In speaking of DUPLEX TUBS, this word is particularly applicable, as it is the “solidity” of the Tub that is a great point of merit. The steel, copper and tin are all practically fused together, making one solid sheet. It is therefore almost impossible to dent or bruise one of Booth's DUPLEX Copper-lined Bath Tubs.

“DUPLEX”



BOOTH'S PATENT

Sole Manufacturers in Canada :

The Toronto Steel-Clad Bath and Metal Co., Limited

TORONTO

M. B. Perine & Co.

Manufacturers
of . . .

DOON, ONT.

**Eureka
Binder
Twine**



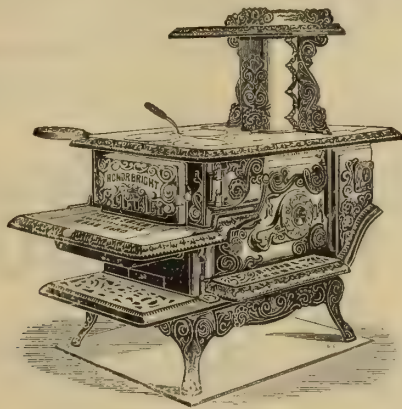
and of every variety
of

Flax, Hemp, Jute and Cotton Twines.
Flax and Hemp Rope, and Plough Lines.

"HONOR BRIGHT"

Wood
Cook.

- Heavy.
- Massive.
- Substantial.
- Durable.
- Extra Large Oven and Firebox.



Fitted with Patent Illuminated Oven Door, Corrugated Oven Bottom, and all modern features of Cook Stove construction.

If you have not handled this Stove, it will be to your advantage to secure samples, and arrange for the exclusive sale in your locality.

The William Buck Stove Co., Limited

Manufacturers of the celebrated
"HAPPY THOUGHT" Range.

BRANTFORD, ONTARIO

It stands to reason that Hose made with a

SEAMLESS TUBE

should be superior to that with a seam.

WHY? Because the inner tube is equally strong at all points, there being no joint for the water to find its way through.

All our brands of hose have our
Patent Seamless Tube.

"Star," "Maroon," "White,"
"Western," "Wire-Wound,"
"Rubber Lined Cotton,"
"Trade."

THE CANADIAN RUBBER CO.

OF MONTREAL

CAPITAL - \$1,500,000.

Montreal, Toronto, Winnipeg.

OTHER TOOLS ARE VERY GOOD TOOLS, BUT

"YANKEE" TOOLS ARE BETTER



SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

Sold in Canada by _____

CAVERHILL, LEARMONT & CO.	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	"
RICE LEWIS & SON, Limited	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	LONDON

Descriptive Circulars will be mailed
on application.

North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.

Established 1825.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinisch's Sons Co. vs. Hermann Boker & Co:

"The complainant (R. Heinisch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinisch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinisch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorne & Co., St. John, N.B., H. S. Howland, Sons & Co., Toronto, and others,

COLDBROOK IRON AND STEEL CO.

Limited

Manufacturers of
all kinds of**BAR IRON.**

o o o o

GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

TRADE



MARK

Let us have
your demands
for

TRADE



MARK

Henry Boker's**Hardware
Cutlery, etc.**

They give satisfaction.

W. H. Thorne 24/8/99

TRADE



MARK

**Wood, Vallance
& Co.**

Hamilton, Ont.

TRADE



MARK

The fibre is long
and strong

**BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE**

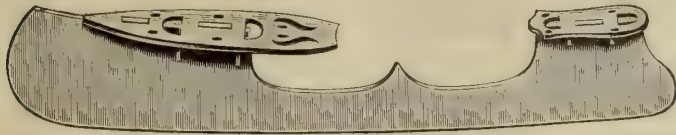
Eddy's Wrapping Papers**The E. B. EDDY CO., Limited**

HULL
MONTREAL
TORONTO
LONDON

ST. JOHN
HALIFAX
HAMILTON
WINNIPEG
QUEBEC

VANCOUVER
VICTORIA
ST. JOHN, Nfld.
KINGSTON

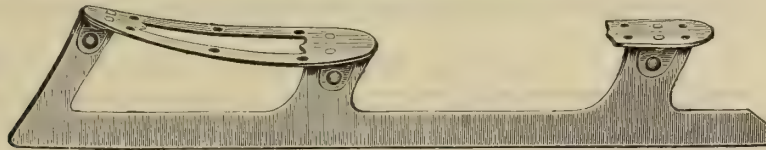
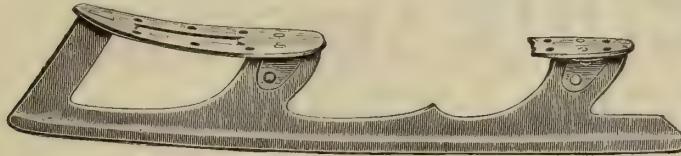
The paper stands
wear and tear



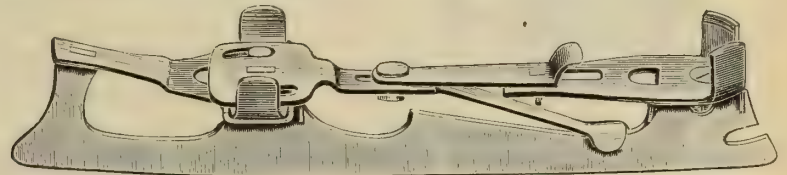
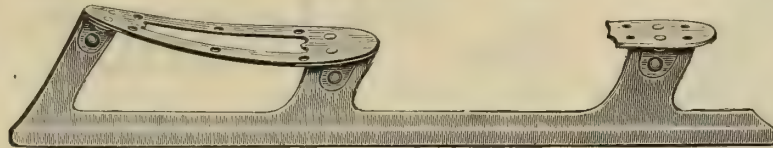
Frothingham & Workman

MONTREAL

have received for coming season
a complete stock of



MULLER'S
celebrated
SKATES



If not already received,
write for our

CATALOGUE.

CANADA PLATES.

18 x 21 x 60 sheets Ordinary.

18 x 24 x 52 " "

18 x 24 x 60 " "

18 x 24 x 75 " "

20 x 28 x 41 " "

18 x 21 x 60 sheets, Alaska.

18 x 24 x 52 " "

FINEST ALL BRIGHT.

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin
164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

AN ANNOUNCEMENT!

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

Enameline

THE MODERN STOVE POLISH

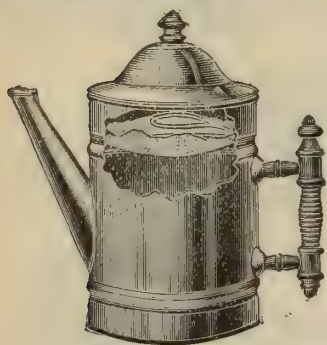
PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

ESTABLISHED 1860

INCORPORATED 1895



The "Eleanor Kirk"

A good Article at a Low Price.

-:: Coffee Pot

Made of Heavy Tin, nickle plated, saves all the aroma food and stimulant, construction is very simple, the filter can be renewed for $\frac{1}{4}$ of a cent.

Write for Prices.

THE THOS. DAVIDSON MFG. CO., LIMITED, MONTREAL

Kemp's Blue Flame Oil Stoves

ARE NOT AN EXPERIMENT.

Satisfied Users Testify to their Excellence.

(COPY)

HALIFAX, N.S., May 18th, 1898.

DEAR SIRs,—I have had one of your "Blue Flame" Coal Oil Stoves in daily use for over a month, in the Cooking School here, and can testify to its many excellencies. The construction is so simple that the children have no difficulty in managing it. There is absolutely no odor from the burning oil, and no waste. The oven can be perfectly heated in ten minutes, and then will cook everything that can be cooked in a coal range oven; bread, meat, cakes and pastry. The heat is so steady, that, while things cook thoroughly, there is no danger of burning. There being no attachments, as in a gas stove, the coal oil stoves can be moved at pleasure, and are so neat they might stand in any room.

I am, Yours very truly,

(Signed) HELEN N. BELL,

Principal, School of Cookery, Halifax.

To A. M. BELL & Co., Halifax, N.S.

Agents for "Kemp's Blue Flame" Oil Cooking Stoves for Halifax.

Are you ready for the trade in this line?

ALL SIZES AND STYLES IN STOCK.
WICKLESS STOVES SUPPLIED IN 2 AND 3 BURNER.



KEMP MANUFACTURING CO. - Toronto



President,
JOHN BAYNE MacLEAN, Montreal.
Treasurer,
HUGH C. MacLEAN, Toronto.

THE MacLEAN PUBLISHING CO Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P. E. Island and Newfoundland.

OFFICES:

MONTREAL - - - - Board of Trade Building
Telephone 1255.
TORONTO - - - - 26 Front Street West,
Telephone 2148.
LONDON, ENG. - - - 109 Fleet Street, E. C.,
J. M. McKim.
MANCHESTER, ENG. 18 St. Ann Street,
H. S. Ashburner.
NEW YORK - - - - 14 Irving Place,
M. J. Henry.

Subscription, Canada, \$2.00. Great Britain, \$3.00.

Published every Saturday.

'Cable Address' in London, "Adscript."

**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

IMMORAL POLITICAL CONDITIONS.

GREED for office is the bane of political life. In many of the virtues, we are, as Canadians, gradually improving, but in regard to political virtues we are not so positive. On the contrary, there is just a suspicion that we are retrograding.

Time was when the motive which actuated most men in seeking seats in Parliament was the country's good, although their opinions as to what principles were for the country's good may often have been unsound.

But there are a great many men who are

getting into Parliament in these latter days who are influenced by no such motives.

It is not the country's good that most concerns them. It is their own. They want office. Principles they care not enough about to give them any qualms of conscience when they disregard them. And often when they are found supporting a principle it is because it pays them best.

They run in packs, but everyone is for himself. And, unfortunately, the Government, be it Liberal or be it Conservative, helps to keep up the running and the pack in line by dangling this and that office in front of the hungry ones, like costermongers do carrots before hungry donkeys, whose speed they desire to accelerate.

Non-successful, impecunious lawyers and doctors, with poor practices and prospects, are the most numerous in the office-seeking pack. Sometimes, one hears a snarl, either at a companion in the running, or at the Government that is keeping them running. But they still hang on till office takes them out, or despair drives them out of one party pack into that of another.

It is a most immoral condition of affairs. And the result is judges on the bench in whose judgment and justice people have little or no confidence, and men in office after office who would never have been put therein by anyone but a politician.

Were a business man, in appointing men to his various departments, to do like unto the politicians, he would be forthwith voted an ignoramus or a fool.

But there is this difference between the politician and the business man; The

money one spends is the people's, and the money the other spends is his own.

What is wanted is that men be appointed to judgeships and the various lucrative positions in the civil service, not because of their importunities, but because of their fitness. That is the businesslike way, and it is the proper way. And it is the duty of the business men throughout the Dominion to propagate this doctrine, and to see that it triumphs.

Industry is the foundation and common sense the corner stone of success in business.

CUT NAILS DECLINE.

A reduction in the price of cut nails was made shortly after **HARDWARE AND METAL** went to press last week.

On its face, the reduction is ten cents per keg, the base price being fixed at \$1.75, but in reality the price is only five cents per keg lower, for, instead of the dealer getting a rebate of ten cents per keg, the amount remitted him under the new order of things is but five cents per keg.

Another change is that the price now quoted applies to large lots as well as small lots, no reduction being allowed on carloads.

Quotations are, as before, f.o.b. Montreal, Toronto, Hamilton and London.

Stove makers in the United States, like those in Canada, have decided to advance prices. What the advance will be will not be announced till later, and the higher figures will not go into force until September 1, next.

"SCREW" BUYERS.

A MERCHANT seldom makes anything, and often loses, by being a screw in his buying.

Every man who is in business should know the value of the goods he requires to buy in order to keep his stock well assorted. And, knowing the value, it is a poor policy for him to beat about the bush in order that he may secure the article at a less price. It is the business of every merchant to make as good a bargain as he can, but, in doing that, it does not mean he should essay to do so at a figure he knows to be below the market value. If he does not know the market value, he ought to know, and, with the plentitude of trade papers, there is no good excuse for his not knowing.

There are some, who, because they do not know, try to make up for their ignorance by trying to bluff the man who has goods to sell. But bluffing is not business, and the man who practises it, whether from ignorance or upon principle, suffers thereby. He becomes a marked man, as it were. He is seldom, if ever, offered a bargain. Bargains go to the men who are the very opposite of "screw buyers." When the "screw buyer" comes around, or when he is called upon by a traveler who knows his customer, a margin is added to the price in order that the customary something may be taken off before a sale can be effected.

THE GLASS MARKET.

According to mail advices received during the last few days, the glass market in Belgium continues strong. Manufacturers there say they are prepared to accept orders for "double thick" glass, but would rather not entertain any for ordinary "star" glass. In fact, some of them declare they would rather be without Canadian business except orders for large quantities. According to The Moniteur de la Ceramque and de la Verrerie, wages in nearly all the glass factories in Belgium have been increased at least 5 per cent., but the workers are not fully satisfied with this advance which, they say, means only one franc per 100 feet, while the selling price of glass has advanced 2.50 to 3 francs per 100 feet since 1895.

Strong as the Belgian glass market is, in Germany the tendency is somewhat in the

opposite direction, the condition of the industry there not being as favorable as it was last year, the exports during the first quarter of 1898 being less than during the same period in 1897. An exchange furnishes the following figures: Exports, first quarter of 1897, 27,321 metr. tons, valued at 10,059,000 marks; first quarter of 1898, 26,321 tons, valued at 8,621,000 marks, or a decline of 1,000 tons (3.6 per cent.), and 1,438,000 marks (14.2 per cent.). Imports, first quarter of 1897, 3,362 tons at 2,612,000 marks; first quarter of 1898, 3,532 tons at 2,692,000 marks, or an increase in weight of 5 per cent., and in value of 3 per cent. The exports exceeded the imports, nevertheless, by 22,789 tons in weight, and 5,929,000 marks in value.

TAKING ADVANTAGE OF THE PREFERENTIAL TARIFF.

SOME hardware lines at least will not cost dealers in Canada less because of the 25 per cent. reduction in the rate of duty on British goods.

HARDWARE AND METAL'S reason for making this statement is because advices received by importers during the last few days announce an advance in prices on certain articles about equal to the reduction in the duty.

There is a suspicion in the minds of the importers that the advance has been made with a view to making the reduction in the duty accrue to the advantage of the manufacturer or exporter in Great Britain, for not only, as already pointed out, is the advance in price approximate to the reduction in the duty, but the goods which have been made to bear the higher figures are largely such that have little or no competition on the Canadian market. Cutlery, for instance, is one of the lines which is dearer.

DELIVERIES OF WOOL LIGHT.

Toronto jobbers state that the deliveries of wool so far this season have been much lighter than up to this time last year. The cause assigned is that the country dealers persist in holding back for a price the city dealers claim to be impossible under the present conditions.

The present quotation, which has ruled all season, is 16c. for fleece, and 10 to 11c. for unwashed, is likely to remain unchanged for some time.

DECLINE IN HORSESHOES.

HORSESHOES of United States manufacture having been coming into Canada, a rearrangement of the prices was made at a meeting of the manufacturers held on Wednesday.

The prices now quoted per keg are as follows:

	F.O.B. Montreal	F.O.B. Toronto, Hamilton, London, Guelph, St. John, Halifax.
Iron Shoes.		
Light, medium and heavy	\$3.15	\$3.25
Snow shoes	3.40	3.50
Steel Shoes.		
Light, all sizes	3.35	3.45
Extra light	4.50	4.60

The reduction, it will be noticed, is from 10 to 15c. per keg.

SCARCITY OF HARVEST TOOLS.

The scarcity in harvest tools on the Canadian market still obtains. The manufacturers declare that the stocks they had accumulated before the season opened were fully up to the average. Not only, however, have these stocks disappeared, but the best efforts of the manufacturers have not enabled them to supply the demand, with the result that they are still behind in their orders.

LARGER SHIPMENTS IN DEALS.

Shipments of deals are more active from St. John, N.B., than at any time this summer, though prices are still low. Last week there were thirteen steamers and twelve square rigged vessels loading in the New Brunswick capital.

DROPS FROM THE EDITOR'S PEN.

Cultivate self-dependence, but be careful you do not over do it.

As steam is to the engine, ambition is to the man—it induces effort.

Down by the tireless murmuring sea is the place for tired murmuring merchants.

Credit is the foundation to build up business, if it is properly used, but the burden which destroys it if it is improperly used.

A young man may be displaying his ignorance when he asks a question, but he is foolish as well as ignorant who, because he will not reveal his lack of knowledge, will be satisfied to remain unacquainted about a thing he ought to know.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

PIG IRON IN GREAT BRITAIN.

THE Scotch pig iron market has been quiet throughout the week, and closes this evening with buyers of G.M.B. warrants at 45s. 11d., about 2d. above the closing price of last week. The stock in Connal's stores is now 328,806 tons, making a decrease of about 10,000 during the half-year. The shipments last week were 6,514 tons, and for the half-year they have been 126,500 tons, a decrease of about 1,000 tons on the shipments in the first half of 1897. The production of ordinary pig iron has probably been considerably greater than in the corresponding period of last year, and there has evidently been substantial increase in deliveries for local consumption. In Middlesbrough, the improvement which manifested itself a week ago in the pig iron market is acquiring strength, in spite of operations in warrants for the fall. The makers are well sold, but have light stocks. East coast hematite pig iron is in good demand at 51s. 6d. No. 3 pig iron is 40s. 6d. to 40s. 9d. delivered during the summer. The shipments of pig iron for June amount to 106,000 tons, against 114,000 tons in May. Connal's stock of Cleveland iron has been reduced 2,500 tons this month. The market for West coast hematite iron is firm, shipments continue satisfactory, and large quantities of iron are despatched by rail, and this, with the large consumption at the steel works in the district, makes the prospect of higher prices anything but remote. In the Midland centres iron smelters are fully sold, and all the iron produced is wanted at once for delivery. At Birmingham, Staffordshire all-mine iron is quoted 65s. and common forge iron 41s. Derby, Lincoln and Northampton makes are offered at 46s. to 48s.—Iron and Steel Trades' Journal.

HARDWARE IN THE UNITED STATES.

The cheerful tone of the market is well reflected in the following reports and letters, which give the views of experienced business men. The past six months are generally regarded with satisfaction, and have evidently brought a large, and in most cases profitable, business to both manufacturers and jobbers. The volume of trade, especially in the west, has been almost phenomenal. With the present excellent prospects for crops, a solid basis is apparently being laid for a large business in the fall, especially in view of the gradual recovery of the country from years of depression and a disposition to enter with renewed hopefulness and enterprise on more prosperous times. At present the markets are naturally quiet. Mills and factories are being overhauled

and necessary repairs made. The books of the six months' business are with many being closed. The holiday season necessarily interferes to some extent with business. Many merchants are giving more attention to the forming of plans for future trade than to the active marketing of their goods. It is not anticipated, however, that the dullness will long continue and a good fall trade is looked for. The way in which the war is moving toward a speedy termination has an excellent effect on the feeling in commercial and financial circles, and the last half of the year opens with exceptional promise.—Iron Age.

CORRUGATED IRON IN AUSTRALIA.

Advices to local merchants say that the demand in Australia for corrugated iron is above the average, but there is no need of even attempting to ask for quotations from the New York market. While American manufacturers are competing in Australia in many manufactures of iron they are not making the necessary efforts to increase the trade in such branches where the demand is constant. Recent shipments show that roofing slates are being used to a greater extent. The purchases of hardware for Sydney and Melbourne by a South William street firm this week are, according to the buyer for the house, considered large, and involve an expenditure of nearly \$12,000, in part for large tools.—N. Y. Journal of Commerce.

SIX MONTHS OF STEEL TRADE.

In Scotland the past six months has been a period of great activity in the steel trade; indeed, it is regarded as a record half-year. Nor is there any indication of decline in the demand, for engineers and shipbuilders had probably never so great an accumulation of work on their books. On the north-east and north-west coast, the rail trade shows some expansion, and there will be further improvement during the coming months. Orders for steel plates and angles are abundant, and prospects generally are good. In Sheffield, the great firms are full of work, and makers of steel in the South Staffordshire district find their trade steadily establishing itself on a wider basis. In Cleveland, ship plates are quoted at £5 17s. 6d., and angles at £5 15s.—Iron and Steel Trades' Journal.

PIG IRON IN PITTSBURG.

The Pittsburg correspondent of Iron Age: "There is hardly enough Bessemer pig iron selling to establish a price. Furnaces are holding stiff for \$10 at furnace, while consumers are holding off from buying in hopes

that the market will weaken. There has been some movement in gray forge on the basis of \$9.75 at Valley furnace. Foundry irons are dull, and are weaker in price. We quote, f.o.b. Pittsburg: No. 1 foundry, \$10.50; No. 2 foundry, \$10; gray forge, \$9; standard Bessemer, \$10.25 to \$10.35. We note a sale of 500 tons of gray forge at \$9.75, Valley, and \$300 tons of Bessemer at \$10.35, Pittsburg. Also a sale of 200 tons of No. 3 foundry at \$9.65, Pittsburg.

NEW YORK MARKETS.

PIG TIN—Prices stiffened a trifle on early deliveries, in sympathy with higher quotations cabled from London and absence of important addition to the spot supply. At the close, little or no spot stock could have been secured at less than 15.60 to 15.65c. net or 15.65 to 15.70c. f.o.b., in lots of five tons or more for early delivery. There was about the ordinary buying for consumption, but no business of importance in a speculative way.

COPPER—New business was again moderate, but there continues to be a free movement in delivery on old contracts. Values are somewhat irregular and rather weak, but showing no radical change. The range of 11 3/8 to 11 3/4c. is quoted for Lake Superior ingot, 11 3/8 to 11 1/2c. for electrolytic bars, etc., and 11 1/4 to 11 1/2c. for casting stock, prompt or near future delivery.

PIG LEAD—Sellers were quite firm in the absence of any adverse turn in the market conditions here or at the primary, there having been fully the average demand for this season of the year. The moderate business that went through was effected at 4.02 1/2 to 4.05, and involved early deliveries as a rule.

SPELTER—The market is still unsettled and irregular. The late squeeze has apparently run its course, and consumers are buying against immediate wants only. Prices are rather weak at about 4.70 to 4.75c. for common domestic, delivered in this locality.

ANTIMONY—Sales are moderate, but sufficient to keep prices firm at 9 to 9 3/4c., according to brand and quality.

TIN PLATE—Business of moderate volume only is passing here, and negotiation is extremely conservative. Canners and can-makers have apparently covered their wants to a great extent. Prices are rather weak, particularly on American cokes and ternes for delivery during the last quarter of the year.

IRON AND STEEL—All branches of the market remain quiet here, and while of good amount, contracts placed here by foundrymen are not above the average. Selling competition continues keen and serves to keep prices low. In steel rails, track fastenings, beams, cast pipe and minor manufactured articles there is no important movement.—Iron Age, July 13.

VISIT TO A COUNTRY MERCHANT.

IT was a very pleasant visit for your correspondent. The points brought out in the interview go to show that although the country hardwareman is somewhat behind his city neighbor in action, he is quite on a par with him in thought. This fact indicates that the time is not far distant when the country hardware store will be as convenient and attractive as the more pretentious city salesroom. This end will be accomplished upon a smaller scale and by less expensive methods, but it will be accomplished nevertheless. It is comparatively only a few years ago that the same disorder and inconvenience prevailed in the city stores as is found in the country stores to-day.

HOW IT USED TO BE.

Upon entering the store one was impressed by the lack of systematic arrangement rather than the presence of it, yet the proprietor quickly could lay his hands upon any article called for. In one window there was some attempt at display. The other one contained the tinware stock, so arranged as to occupy the least room, regardless of any display. Various articles hung upon wires and rods over the counters on one side of the store. Many of these articles were out of season, but, that was their regular place of keeping and they had not been changed. This side of the store was used for shelf goods; the opposite side for stoves. The tin shop occupied a room in the rear.

The proprietor, a portly, good natured gentleman of middle age, waited upon most of the customers. It made no difference whether the patron bought a fish hook or a cook stove, the proprietor's attitude remained just so pleasant and agreeable. His even, good natured temperament was a strong element of his success. It was a continuous good advertisement for himself and his store.

FINDS THE OLD WAY OBSOLETE.

In conversation, this gentleman said that he realized that his windows should be standing advertisements for him, but he said he had neither the time nor the taste to make the displays. In one window he has arranged his stock of nickel tea kettles, coffee pots, etc., upon shelves set close to the sash. This he had done more with the intention of announcing their arrival than with any attempt at display. During holiday seasons he always carried a good line of fancy lamps. These he arranged in tiers with respect for color and size. The displays were always complete and attractive. They were the cause of much comment.

Turning to the general arrangement, the merchant said that he was not quite satisfied with his store in this respect. He had given

the subject much thought, and already could see the benefit of several changes.

ISOLATES THE STOVE DEPARTMENT.

In the first place, he wanted to move his stove department into another room. There would be several points gained by such a move. Frequent interruptions were the rule when dealing with stove customers under the existing circumstances. These interruptions were the cause of many lost sales. Then, someone was always in the store to hear the conversation and report it about the village. Such conditions were obnoxious to many patrons, as well as inconvenient for the merchant.

REALIZES THE VALUE OF GOOD DISPLAYS.

Speaking of displaying goods, the merchant said that he had come to believe more and more in the practical value of good displays. As an illustration he pointed to a small display case for razors, and said that he had sold many more razors since he began to use the case than before. In many instances the display sold a razor with very little talk or effort on his part.

IMPROVISED SHELF BOXES.

Regarding shelf boxes, the merchant said he was following a plan which was practical and inexpensive. He saved all of his old axe boxes, and, during dull seasons, fitted them on the shelves and painted the fronts. In this way he had filled one or two sections of shelving, and was working on others. In most instances the goods contained in the boxes were sampled on the fronts.

MATERIALIZING IDEAS.

It will be seen that this merchant has thought a great deal about modern merchandizing, and is working his ideas into facts as fast as circumstances will permit. By working upon the lines of this interview, it is not difficult to figure out the future of the average country hardware store.—Iron Age.

ICE CREAM IS ANCIENT.

There is a general impression abroad among most patrons of the ice cream counter, says an exchange, that this hot weather dish originated some time during the present century. This, apparently, is a mistaken idea, for, in the year 1780, or a little previous to that time, cook books were published in England in which appeared directions for making this delicious beverage. But ice cream was known even before this date. About 120 years previous to the date already mentioned, the dispensers of cool beverages in Paris conceived the idea of converting their drink into ice. It was then, owing to its similarity to butter, known as "iced butter." From France the art of making ice cream was soon carried to other countries, and it has ever since been growing in popularity as a cool, refreshing dish on a hot summer day.

CONCENTRATION OF EFFORT.

RUFUS CHOATE advised young lawyers to "carry the jury at all hazards; move heaven and earth to carry the jury, and then fight it out with the judges on the law questions as best you can."

William Wirt wrote of a former Chief Justice of the United States: "There is John Marshall, whose mind seems to be little less than a mountain of barren and stupendous rocks—an inexhaustible quarry from which he draws his materials and builds his fabrics, rude and Gothic, but of such strength that neither time nor force can beat them down; a fellow who would not turn off a single step from the right line of his argument though a paradise should rise to tempt him."

"Never study on speculation," says Waters; "all such study is vain. Form a plan; have an object; then work for it; learn all you can about it, and you will be sure to succeed. What I mean by studying on speculation is that aimless learning of things because they may be useful some day; which is like the conduct of the woman who bought at auction a brass doorplate with the name of Thompson on it, thinking it might be useful some day!"

Definiteness of aim is characteristic of all true art. He is not the greatest painter who crowds the greatest number of ideas upon a single canvas, giving all the figures equal prominence. He is the genuine artist who makes the greatest variety express the greatest unity, who develops the leading idea in the central figure, and makes all the subordinate figures, lights, and shades point to that centre and find expression there. So in every well-balanced life, no matter how versatile in endowments, or how broad in culture, there is one grand central purpose, in which all the subordinate powers of the soul are brought to a focus, and where they will find fit expression. In nature we see no waste of energy, nothing left to chance. Since the shuttle of creation shot for the first time through chaos, design has marked the course of every golden thread. Every leaf, every flower, every crystal, every atom, even, has a purpose

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.

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stamped upon it which unmistakably points to the crowning summit of all creation—man.

Young men are often told to aim high ; but we must aim at what we would hit. He who cannot see an angle in the rough marble can never call it out with mallet and chisel. No, a general purpose is not enough. The arrow shot from the bow does not wander around to see what it can hit on its way, but flies straight to its mark. The magnetic needle does not point to all the lights in the heavens to see which it likes best. They all attract it. The sun dazzles, the meteor beckons, the stars twinkle to it, and try to win its affections; but the needle, true to its instinct, and with a finger that never errs in sunshine or in storm, points steadily to the north star ; for, while all the other stars must course with untiring tread around their great centres through all the ages, the north star alone, distant beyond human comprehension, moves with stately sweep on its circuit of more than 25,000 years, for all practical purposes of man, stationary, not only for a day, but for a century. So all along the path of life other luminaries will beckon to lead us from our cherished aim—from the course of truth and duty; but let no moons which shine with borrowed light, no meteors which dazzle but never guide, turn the needle of our purpose from the north star of its hope.—Pushing to the Front.

ELECTRICITY VS. STEAM.

A STRIKING instance of economy in actual money and elimination of trouble and delay induced by supplanting a steam haulage service with electric traction, according to an exchange, is afforded by the installation recently made by the General Electric Company for the Arlington Mills, Lawrence, Mass. These mills have about two miles of track running from the main line of the Boston and Maine Railroad into the yards and throwing off spurs into the alleys between the different buildings. Previous to the change to electrical service the hauling of the entire output of the mills to the main line, the haulage of the material from building to building, as well as the necessary switching about the yards, was done by a steam locomotive rented from the railroad. For this service the Arlington Mills paid an annual rental of several thousand dollars, and were, moreover, frequently put to great inconvenience and delay because at times a locomotive was not available.

The successful results obtained with electric factory locomotives by other mills in New England, notably at Whitinsville, Mass., and Taftville, Conn., attracted the attention of the managers of the Arlington

Mills to the question of electric haulage, which they took into serious consideration.

The electrical installation consists of a small generating plant and two electric locomotives, one of the box type and the other a platform car. The generating plant consists of a standard 75-kilowatt 500-volt railway generator, driven by belt from an Armington & Sims high-speed engine. The generator readily answers all calls upon it, with no heating or sparking, although it is occasionally subjected to very heavy overloads when both cars are handling a train of more than the usual number of loaded cars.

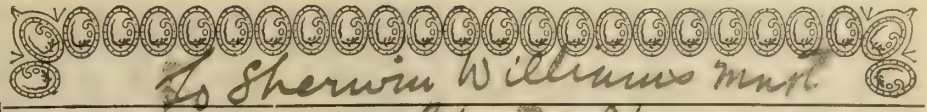
The box car locomotive, used for hauling material about the yards, is equipped with two 27 horse-power motors and series parallel controllers. The platform locomotive is used to haul trains of loaded cars from the yards to the main line, and empties from the line to the mill tracks and to do all the drilling in the yards. The equipment of this locomotive consists of two 50 horse-power motors with the necessary series parallel controllers. In hauling heavy trains it is assisted by the box car locomotive. Together they are able to handle trains of 30 to 40 empties or 12 to 14 loaded cars with comparative ease and celerity. To give the necessary adhesion to the more powerful locomotive to enable it to handle heavy

loads about six tons extra is placed on the platform.

Perhaps the most interesting feature is the comparison between the cost of the electric plant and the expense formerly entailed by the use of the superseded steam locomotive. The cost of the entire electric plant was very little in excess of one year's rental of the steam locomotive. No more men are employed about the electric locomotive, the labor cost has not risen and the consumption of coal is scarcely felt on the main plant. Furthermore, the plant being always ready, cars may be shifted at any time during the day or night.

PATENT REPORT.

Below will be found a list of patents recently granted inventors in lines appertaining to hardware. This report has been specially prepared for this paper by Marion & Marion, solicitors and experts, New York Life Building, Montreal. No. 606,328, Franklin Binn, nut lock ; 606,372, Edwin M. Bradley, New Haven, double or compound fork ; 606,373, Alfred Brake et al, aerated water fountain or engine ; 605,510, Adelbert E. Bronson, Cleveland, steel range ; 606,270, John Brown, wrench ; 606,381, Theodore Dinkelberk, wrench ; 606,380, F. Carl Dewitt, Germany, thermocauter ; 606,447, John Conrath, draft rigging for railway cars.



THE SHERWIN-WILLIAMS PAINT

COVERS MOST LOOKS BEST WEARS LONGEST MOST ECONOMICAL FULL MEASURE

That sign tells the whole story.

It is our platform—broad and strong.

On these grounds we ask for trade.

We expect no man's business unless we can prove our claims.

We believe value is the basis of all sound business.

We aim to give more value for a dollar in paint, than can be had anywhere, from anybody. We believe our success is dependent upon our ability to do this.

With large capital, complete organization, long experience, and world-wide facilities, we are in a position to take advantage of everything that can in any way make our business better.

We never lose a chance.

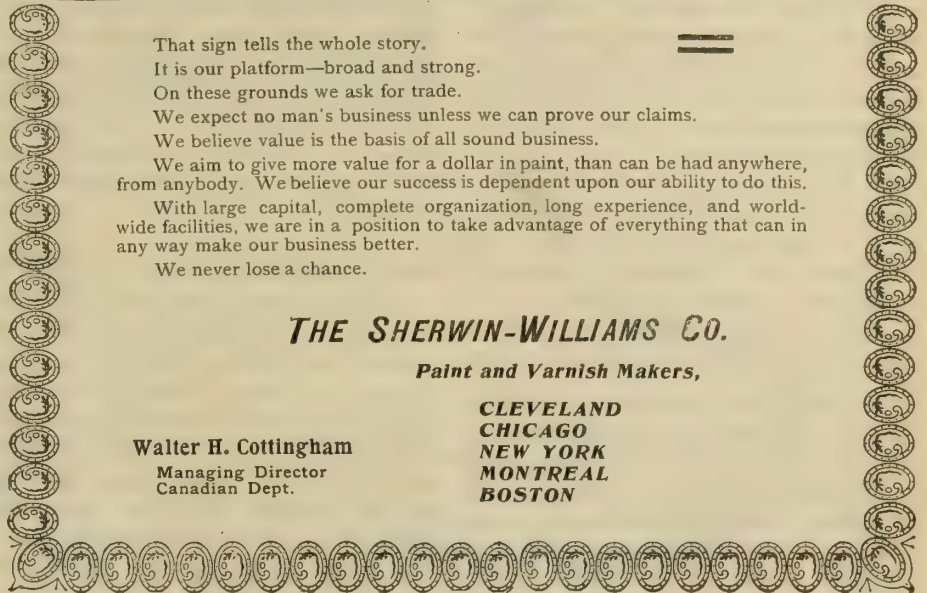
THE SHERWIN-WILLIAMS CO.

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UNITED STATES TIN PLATE INDUSTRY.

THE METAL WORKER reports that on June 30 there were 66 separate plants engaged in the manufacture of tin and terne plates for the market, or in the production of black plate for tinning purposes, as well as one 30-mill tin plate plant in course of erection. Of these works, 44, operated by 42 firms, are included in the list of tin plate works proper—that is, concerns who roll their own black plate—38 of them also coating and finishing their product for the open market. Six plants at present produce only black plate, which they dispose of to the 23 dipping plants detailed in the second list. These 44 black plate plants possess 253 complete hot mills, and five of them are adding to their equipment 24 new hot mills. In addition, one new works, with 30 mills, is in course of construction, making a grand total of 47 separate black plate plants with 307 hot mills, finished and building on July 1, 1898.

On April 1 last the number of finished mills was 237, and of mills building, 65, making a grand total of 302 hot mills. Thus, there is a net gain of five hot mills for the quarter. During the three months ended June 30, 16 new hot mills were completed and added to the producing capacity of the industry, as follows:

	Mills.
Atlanta Steel & Tin Plate Company	2
Cincinnati Rolling Mill & Tin Plate Company	1
Johnstown Tin Plate Company	2
Laughlin Nail Company	8
United States Iron & Tin Plate Mfg. Company	3
Total	16

The Humbert Tin Plate Co., of South Connellsville, Pa., began the erection of two new hot mills and the United States Iron and Tin Plate Mfg. Co., of Demmler, Pa., of three additional hot mills, making five in all.

Of the 44 completed black plate plants, only one, a three-mill works, was reported as shut down at the end of the quarter. About five other mills in two or three works were, for one cause or another, idle, leaving 245 hot mills in active operation on June 30, as against 222 on March 31 last. This is by far the largest capacity ever yet operated in the American tin plate industry, representing, at a very conservative estimate, a current output equivalent to 6,200,000 boxes a year, with a potential output—if all mills were in operation to their full capacity—of over 7,000,000 boxes of tin plate a year. This is equal to the average annual consumption of tin plates in the United States in a good year. Adding the 54 mills now building, all of which will be in operation this year, will give a further capacity of 1,350,000 boxes,

bringing up the total capacity to at least 8,250,000 boxes by the end of 1898.

The list of dipping works shows no change from that given three months ago. Twenty-three of these establishments, with a total of 120 tinning sets, are given. Four or five are not in operation at all, and of the balance only ten or a dozen are running to anything like their capacity.

The erection of no new tin plate plants was begun during the quarter; but one, which was building three months ago—The Johnstown Tin Plate Co., of Johnstown, Pa.—has been transferred to the active list. The large new plant of the Shenango Tin Plate Co., at New Castle, Pa., is being rapidly pushed to completion, and will join the list of producing works before the end of this year.

NEW TELEPHONE CO. IN LONDON.

A number of the business men of London, Ont., have been incorporated under the style of the People's Telephone Co., of London, Ltd., with a capital of \$100,000, for the purpose of introducing a new telephone service in opposition to the Bell Telephone Co., Ltd. London's agreement with the Bell Company ended on June 19, and as the latter refused to reduce its rates, a new agreement has not yet been entered into. The Bell Company's rates are \$40 for business 'phones, \$35 for residential

'phones, or \$65 for both. The new company offer, if the franchise is given it, to put in business 'phones for \$26, residential \$18, or both for \$42.

HADN'T THAWED OUT.

They are telling a story now on a well-known hardwareman of Minneapolis. He is a thorough business man and very successful, but is somewhat inclined to coolness of manner. The other day a hardware salesman called on him and opened up a stock of thermometers. The atmosphere in the office became very frigid and the salesman went away without having effected a sale. On his way south he stopped in Chicago and called on one of the leading jobbers there to see if he would not have better luck with the thermometers. Having talked with the jobber a few minutes, he opened his stock of samples. The jobber took one look, buttoned up his coat, and rang for the janitor to turn on more steam. "Say," he said to the salesman, "this is a pretty cold day, isn't it?" and reached for his hat. "Why, I don't know," the traveling man replied. Then he bethought himself to look at the thermometers, and a great light broke in upon him. "Look here," he cried, as the jobber was just putting on his overcoat, "the last time I had these thermometers out I showed them to Mr. —, of Minneapolis, and the blame things haven't thawed out yet!"—Stoves and Hardware Reporter.

GILBERTSON'S

"COMET"

BRAND

and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

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Patent Flattened Galvanized Steel Sheets

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized

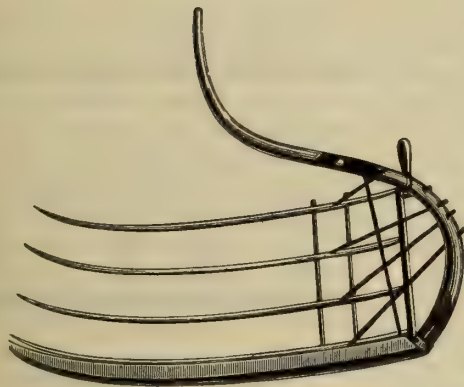
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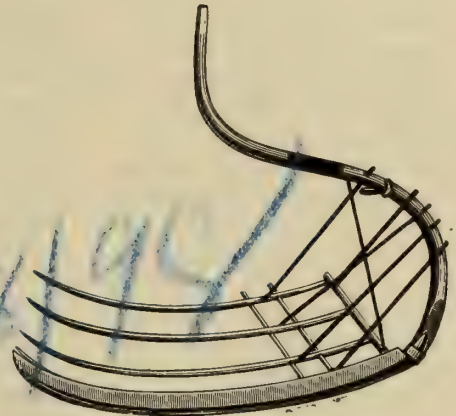
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TORONTO

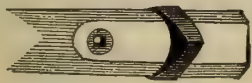
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HALF MULLAY.



FULL MULLAY.



Ring and Wedge.



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Hay Forks
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Garden Hoes
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Weed Cutters
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Reaping Hooks

Hoe Handles
Fork Handles
Rake Handles
D. Tops
Ferrules

Scythes, Snaths, Cradles, Scythe Stones,
Hay Rakes, Etc.

H. S. HOWLAND, SONS & CO.

White Mountain Ice Cream Freezers---all Sizes.

Screen Windows, Screen Doors, Fly Traps, Hammocks, Etc.

TRADE CHAT.

ROBERT LAMBERT, tinsmith, Listowel, Ont., had a serious fall last week. While eavetroughing the new brick residence of Jas. Dickson, near Donegal, Ont., he missed his footing and fell a distance of 18 feet to the ground on a heap of stones.

B. Simon, general merchant, Greenfield, Ont., is having his store thoroughly overhauled, renovated and enlarged.

The general store of A. Skitch, Port Hope, was entered by burglars recently, and clothing, boots, hats, etc., for two, stolen.

The London, Eng., Board of Trade statement for the month of June shows increases of £2,710,500 in imports and £323,700 in exports.

E. P. Archbold, of Halifax, who died recently, was worth about \$400,000. He was at one time largely interested in coal mines at Glace Bay, N.S.

Weatherbee & Son, dealers in stoves, tinware, etc., Springhill, N.S., have bought out T. A. Treen & Co., of the same town, and will conduct their business in the warehouse of the latter firm.

During the last six months there were shipped from Blythe, Ont., 107,440 bushels of grain, 601 head of cattle, and 807 live hogs. The total tonnage was 4,555, an increase of 923 over the corresponding six months of last year.

The large building on King street, Berlin, occupied by The Berlin Brush Co., and by Oelschlager Bros., foundrymen, was destroyed by fire on Monday. The loss is estimated at about \$30,000; partially covered by insurance.

R. Beattie, who has commenced business as general merchant in Harrington, Ont., carried on a similar business in Seaforth for six years, also a hardware and tinsmithing business in Brownsville, from which latter place Mr. Beattie moved part of his hardware stock to Harrington.

Arthur Hill & Co., of Midland, Ont., have made a shipment of over \$50,000 worth of sawlogs, to the Saginaw Lumber Company, of Saginaw, Mich. These logs were cut before the Ontario Government prohibited the exportation, and will be one of the last shipments to the United States.

It is stated on what seems to be good authority that a contract is in the market for 50,000 tons of steel tubes for waterworks in the East Indies, and there is at present every probability that it will ultimately be placed in Scotland. Such at least was one of the items of trade gossip current on the Birmingham iron exchange last Thursday.

The Dominion Government has decided not to prohibit the exportation of natural gas to Detroit from the Essex gas belt in response to the protests of citizens of that

territory. It will permit the construction of new conduits from Sandwich to Detroit, but has imposed such restrictions as to the quantity of the output and as to the prices charged local consumers as will remove the danger of the depletion of the fields.

MARRIAGE OF W. H. SEYLER.

ON Thursday, of last week, a wedding, of considerable interest to the trade, was celebrated in Hamburg, Ont., when Miss Minnie, third daughter of Hon. Senator Merner, was married to Mr. W. H. Seyler, the well-known broker, Toronto. The wedding was a quiet one, taking place at the beautiful residence of the bride's father, at 12.30 noon, in the presence of the family of the bride and the parents of the groom.

The Hamburg Independent concludes a notice of the ceremony as follows: "The Independent joins the many friends of the popular couple in wishing them a happy and prosperous future. It might be mentioned that the groom is a native of Hamburg, and was during his residence here one of the town's popular young men, and it is but natural that he should return to his old home to secure for himself a helpmate and wife."

After the wedding dinner, Mr. and Mrs. Seyler left for a trip to the east. They will reside at 36 Lansdowne avenue, Parkdale.

HARDWARE AND METAL tenders its congratulations.

A PROGRESSIVE HARDWARE DEALER.

A. W. Humphries, hardware dealer, tinsmith, etc., Parkhill, Ont., believes in progress. He has enlarged his business facilities by converting two stores into one. Acetylene gas has been introduced, and now lights up the whole block in which his store is situated.

A nicely furnished office has been fitted up between the store and the workroom, and is elevated sufficiently to give Mr. Humphries oversight of both shop and store. Electric bells and speaking tubes connect the office with the workshop and the store.

Besides the improvements made in his store, Mr. Humphries has found it necessary to add a horse and wagon for delivering goods and for the use of the workmen. Last year the staff in both the workshop and the store were increased, and a typewriter and bookkeeper is now regularly employed to assist Mr. Humphries in his office work.

HALIFAX MERCHANTS' EXCHANGE.

Halifax Merchants' Exchange, spoken of last week, is proving quite a success. It now has 150 subscribers. Stock quotations from New York, Montreal and Chicago are posted daily. A telegraph operator is in the room, which is open all day. Merchants chiefly assemble between 12 and 12.30 o'clock.

Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

PICTURE CORDS, SHADE CORDS, PICTURE and SHADE HARDWARE, SOLID BRAIDED CORDAGE, BICYCLE DRESS GUARD LACING.

.....Ask your jobber for our goods

THE OSSAWAN MILLS CO.

Norwich, Conn., U. S. A.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring. "The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety, Toilet, Hand, Electric Power ARE THE BEST. Highest Quality Grooming and Sheep-Shearing Machines. WE MAKE THEM. SEND FOR CATALOGUE TO American Shearer Mfg. Co., Nashua, N.H., U.S.A.

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.

Agent for: Spear & Jackson, Sheffield, saws, tools, etc. H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co. Halifax, N.S., skates; Atkinson Bros., Sheffield, cutlery.

Wholesale trade only.

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Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplate, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

The Fork Handle Season is now on.

We have a very heavy stock—can ship promptly, and supply the best. Kindly write us for prices and secure samples before booking your orders for Axe Handles for Fall Shipment. We will be in a position to supply thoroughly seasoned goods, and of the finest quality of second growth hickory. We make a specialty of

"Hand Shaved" Octagon Axe Handles (Made by Indians)

being the largest dealers in Canada in this line. Can give exceptional value in this handle for fall business.

Eastern Agent—W. B. Murdoch, Amherst, N.S.
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W. C. CRAWFORD

Tilbury, Ont.

THE BELGIAN GLASS INDUSTRY.

ONCE flourishing branch of the Belgian glass trade, the bottle industry, has almost entirely lost its importance. Thirty years ago 32 bottle furnaces were counted; now there are but four in existence, and of these, that at Claumonceau, is idle. Those in operation are: Genaux, Hermant & Co., Jumet, production per year, 1,906,800 bottles, value, \$35,600; Eugene Hans & Co., Jumet, 1,200,000 bottles, value, \$22,100; Louis Falleur & Co., Jumet, 1,800,000 bottles, value, \$34,200. The consumption of bottles is growing owing to the increased consumption of beer in Belgium, supplied mainly by Germany, which sends enormous quantities of bottles, mostly full ones, to Belgium.

As regards the manufacture of plate and mirror glass, there are at present eight factories in Belgium. They are: Sainte Marie d'Oiginies, Floreffe, Roux, Courcelles, Moustier, Auvélais, Auvélais Saint Roch, and Charleroi. The total sales of these factories in 1897 amounted to 1,123,372 square metres (1=about 10 square feet), the highest figure ever reached. The sales were divided among different countries as follows:

Countries.	Square Metres.
Belgium.....	93,372
Holland.....	76,789
Great Britain.....	57,408
United States.....	104,730
Canada.....	28,423
Germany.....	14,112
Norway, Sweden, Denmark....	21,666
Switzerland.....	13,714
Austria-Hungary.....	30,710
Spain, Portugal.....	22,396
Russia.....	12,666
South and Central America....	25,682
Australia.....	21,488
Orient.....	20,988
Far East.....	30,522
Various other countries.....	29,716

Particularly noticeable is the large export to Great Britain for which country 13.60 francs per 100 square metres were quoted, while the price for America, Belgium, and Holland ranges between 15 and 16 francs. The average selling price was 14.20 francs, placing the total value of the glass sold at round 16,000,000 francs or \$3,200,000. England's demand is mostly for ordinary plate glass for windows, skylights, etc. There are several plate glass factories in England, the most important of which are those of Pilkington Bros. They operate their own coal mines, and also manufacture window glass. Other British plate glass concerns forming the London-Manchester Company, were idle for two years, which idleness greatly stimulated importation. Recently, however, work was resumed.

The United States is by no means a certain customer, as the import duties are almost prohibitory. The export from Belgium to the States is confined to high-grade mirror glass in size up to 10 feet large sizes and

window plate are supplied by the American factories themselves.

On July 1, 1897, the eight Belgian plate glass factories were consolidated with one joint selling agency at Charleroi. Collections are made directly by the single factories. Production is unrestricted at present, and several of the factories are being enlarged. The output in 1898 will probably reach 1,500,000 square metres. A new factory is being erected by The St. Gobain Co. at Franiere, near Namur, and will be ready for operation next year.

By increasing production most of the factories have been enabled to reduce the cost, while the selling agency has been empowered to reduce prices for those markets where competition of any strength is encountered. Nevertheless, there is some apprehension that the increase in production has come too quickly, and that the production will largely exceed consumption.—From Glassheutte.

NEW USES OF ALUMINUM.

Aluminum has lately found its way extensively into vibrating and reciprocating machines, both large and small. Here the advantageous use of the metal is entirely a matter of reducing the weight. Probably the best illustration of the use of aluminum in revolving machinery, according to an exchange, is in using an oil cup on the driving-wheel of a locomotive in connection with a driving rod. With the increased speeds that the roads are now aiming to attain, it is necessary to increase the diameter of the driving wheels, and consequently the tendency to break the shank of the oil cups materially increases, and, with some of the large engines which have been built, cups made of composition are frequently broken. These cups are now, and have been for some time, successfully cast in aluminum, and have given great satisfaction.

"HANKEY-PANKY" TALKS WISDOM.

If you are going to be a hardwareman, be one. Keep away from politics and other bunco games.

Who are the salt of the earth? Those who don't get too fresh.

If a customer asks for a breadboard and you don't have one, sell him a mouse-trap or a pair of andirons. Don't let any man get away with as much money as he brought in.

If your new clerk has too much cheek, keep him, but curb him down. If he hasn't any, bounce him!

When a woman customer comes in, encourage her to talk until she is tired. You

will hear of a dozen things she needs at home—and that's your chance to soak her!

I can always sell to a woman who brings her baby into the store. You can't say a good thing about that kid that she won't believe.

When a man asks for a fifty cent knife, don't show him a dollar one. He may have only the fifty cents with him, and as likely as not, you will lose the sale altogether.

Don't talk too much; don't talk too little. There is a happy medium somewhere between a clam and an auctioneer.

If you have faith in your goods, your customer will have faith in them also. One sale may be made by lying, but I don't believe a dozen can be made by it to the same man.—N.Y. Hardware.

DANGER IN BEING STUPID.

A LACK of knowledge on the part of clerks will work as much harm to their employer as a failure on the part of the latter to instruct them will do to himself, remarks Stoves and Hardware Reporter. There are certain makes of goods which are not used as frequently as others, yet of whose existence the clerk should be cognizant. When a customer asks for such goods, it would be better for the clerk if he had some information on the subject, rather than that he should assume a superior air, smile incredulously on the customer, and thus give both offence and annoyance. We have often observed that clerks rather think it out of their sphere to inform themselves in a thorough manner as to all the makes and styles of goods. Probably they think that they are not paid to do this and that such knowledge will sell no more goods, while it involves both time and trouble as well as mental effort to acquire it. It requires much less exertion for both employer and clerks to play the part of automatons in selling goods, just state the price and, if the article be small, twiddle it alluringly before prospective customers' eyes, without comment or discussion. Or else, if the article is one which is but little sold and kept in an out-of-the-way place, feign ignorance of its existence, and dismiss customer with no more ado. For our own part we believe that it would be impossible to gain too intimate a knowledge of one's particular business. Every detail should be carefully looked into, the respective qualities and characteristics of all goods mentally compared, and some facts obtained regarding all makes and styles, whether in stock or not. If these qualifications are possessed by both clerks and employer, sales will be materially increased, and both subordinate and superior will be benefited accordingly.

OVER AND UNDER BUYING AND STOCKING.

By "Bee Bee," in Ironmongery.

WHICH of the two faults—and that they are both faults will be freely admitted—is the greater of the two, over or under buying or stocking, has been, and will continue to be, a subject for discussion as long as retail establishments exist. Undoubtedly, it is as difficult to exaggerate the inconvenience as it would be to estimate the loss resulting every season from the dearth of goods in demand during their respective seasons. If the season, from a tradesman's standpoint, is seasonable—that is to say, if the winter be cold and the summer hot—it generally follows that the retail ironmongers experience considerable difficulty in replenishing their season's stocks. The tendency now throughout the trade, both wholesale and retail, is to prepare for a moderate demand, and, five times out of six, the supply proves to be inadequate to the demand made upon it.

GARDEN HOSE.

Take only one or two instances: Just at present, garden hose, a staple—or, as some would say, "bread and cheese" article—is now in daily request. Let it be but a dry spring, as this season or last, what is the result? There is an exceptional run upon the ironmonger's stock in some districts, and many have been perplexed to meet their customers' demands. On the other hand, the user has demanded, as is natural, prompt delivery, and, on the other, the manufacturer has not, in many instances, been able to offer anything better than assurances that careful attention is being given to the order, which would be sent off at the earliest possible moment. Now, between the two, the retailer often finds himself in a sorry plight, and too often the user decides not to order at all, or if he has placed his order, will, after considerable patient waiting, angrily countermand it, much to the ironmonger's chagrin, and often no amount of persuasion or argument can convince a customer that the blame is to be attributed to the maker. But they won't have it. They know that the retailer is the one to receive their bullets, and rightly so, for not keeping sufficient stock in hand.

Of course, in the matter of hose, it will be urged—and urged rightly—that there is deterioration on account of its perishable nature. The objection is not questioned, but I do say that too much is made of the objection. There is no doubt that none, or very few, lay in enough stock during the spring to satisfy the almost certain demand which will eventually be made upon it. Less than sufficient is provided, in the hope that, should the sale be large, the factory at least can cope with the demand by increasing its

output; such a hope is erroneous, and is to be discouraged, because it is a hope rarely realized, and it is, therefore, dangerous to depend upon that which usually fails when put to the test.

REAPER FILES.

Take one more instance of another staple article which will be in daily use for the season very soon: reaper files. Supposing an ironmonger placed an order with his manufacturer last season for 100 dozen of these, previous to the season commencing, the probability is he will, or has, repeated the order this season for the same quantity. The fact of him having used up his supply long before the demand ceased last season, seems to be entirely overlooked by him, and he forgets that in the height of the season he had to order some more—perhaps in little dribbles at a time—amounting in the aggregate to, say, 50 dozen, or half as many more as his original order. Now, would it not have been better, both for himself and the manufacturer, had he ordered the 150 dozen at first? Of course it would, because he would have saved himself the extra carriage, and the trouble and worry of being able to get them promptly, just when the demand is keenest, and to meet it is most inconvenient to the manufacturer. Besides, there's no deterioration in these things; they'll keep just as well for another year, if they have to be kept, but they need not be, for many use them in preference to the taper saw file for sharpening chaff cutters, etc.

At the same time, I do not advocate the keeping of an unusually large quantity of any particular article; but the fear of this excessive stocking, has, undoubtedly, in many cases, produced the opposite evil; of providing an unusually small quantity, and thus more money has been, and will be, lost every season, through neglected opportunities, than through many other causes combined. Shops there are stocked to a sickening degree, altogether unwarranted by their yearly returns, but it may be said these are few and far between; and on the other hand there are those which are so barely stocked as to make present or future successes an absolute impossibility.

WHAT IS OVERSTOCKING.

What amounts to overstocking, and what is understocking, are questions which must be answered by each individual ironmonger for himself, as it largely, if not entirely, depends upon the neighborhood in which he lives. Some neighborhoods are poor, unprogressive, "dead-and-alive," where everybody exists in a "hum drum" style, and such do not warrant the keeping of a heavy stock, as it would only lie on the shelves to deteriorate and eventually rot. If the ironmonger lives in such a place he must be careful how he buys, or

his dead stock will eat up the profits. But, on the other hand, there are some towns which are improving, rising, progressive, where one scarcely need fear overstocking, as the demands justify and warrant the supply; and those demands must be met by the ironmonger or someone else; it is for him to decide which. How many successful tradesmen owe their present positions to the fact that they have always striven to carry a full, well-assorted, and neatly-arranged stock. Numerous practical examples could be given of the advantages of such proceedings, and these are means to the end of securing many well-earned such remarks as "Go to So-and-So, you'll be sure to get what you want there," and vice versa. Once let the ironmonger get the impression that he keeps a good stock firmly fixed in the minds of his customers, and if his prices are right—as they will be—by buying right, his permanent success is half assured.

Of course, with many, overstocking is a mania, and much to be deprecated, their contention being that "stock is as good as money—it eats nothing," and so on. As a consequence, they keep lading it in, ton after ton, until their places are literally "bunded up." This is a short-sighted and ruinous policy. "Enough is as good as a feast." If goods are bought in this reckless manner their losses through damage, breakage, and deterioration will be serious. Where banking accounts are in such a flourishing condition, why not find another field for investment for the surplus cash, instead of allowing it to lie idle in so much dead stock, the value of which can never be realized in the event of a sale or the death of a proprietor? It would be a difficult matter to deal with it should any such business have to be disposed of in a hurry. Where would be found a purchaser of a stock of, say, £3,000 with only £1,500 or £2,000 returns? Such a purchaser would take some finding, and to reduce the stock to an amount corresponding with the returns would probably take some years, involving, possibly, much inconvenience and also loss of money and time. Do not, therefore, whilst buying wisely and well, think to hang about your neck this gigantic millstone.

SUCCESSFUL MEN KEEP FULL STOCKS.

If the question were asked, Who have been the men in past times to achieve success and make fortunes, and who are these still making them? the answer would be, Why, the men who have kept, and still keep, full stocks. Those who keep about six-pennyworth of goods at a time, but have been content to fill up their fixtures with so much neatly attired "brick-bats" in order to make a good outside show, are those who will soon be "bowled out," have to "box

EXCELSIOR—

Potato Bug Killer

SANDERSON PEARCY & CO.

TORONTO

up" their establishments, seek pastures new, or again resort to the role of an employe.

No man of sense would wish to condemn another's conscientious prejudices and scruples respecting his own stock. He should be the best judge, as I have said before, of his district's requirements. This bit of plain talk is not given to arouse bad feeling, or with the desire to pose as a critic, but with the desire that it prove of benefit to some, at least, who are beginning, and to those whose experience has not extended over the same length of time as mine has in the trade in many parts of the country.

SHEET IRON FOR BUILDING.

The use of sheet iron as a building material is slowly but surely making headway, says Age of Steel. Numerous patents are being issued and applied for along this line, and there seems to be but little doubt that sheet iron and steel will come into extensive use for ceilings, ornamental work, lathing, mantels, etc. This is in line with the important part that our iron and steel industries take in our industrial history. If there were no new fields of use and no branching out of appliances, what we have of raw material would soon overburden the market or restrict output and manufacture. Iron and steel are already the principal framework of our modern public buildings, and in cornice and sheet work its uses are practically unlimited.

WHAT CORN BROOMS ARE MADE OF.

COMPARATIVELY few understand the nature of broom corn, where it comes from, or how it grows.

Boeckh Bros. & Co., Toronto, have furnished **HARDWARE AND METAL** with some particulars concerning this plant, which should prove of interest to grocers generally.

The broom corn is grown from seed, planted in much the same way as ordinary corn. It is planted in early spring, in ground carefully prepared. The preparation of the ground is important, and requires years of experience and study. The climate is also important, as it must be neither too hot nor too cold, but of even temperature, otherwise the growth of the corn may be hindered, and it would redden quickly. The State of Illinois produces the bulk of the broom corn used in Canada.

The length of this corn varies from three to six feet, and, while growing, looks somewhat like long prairie grass. During growth it has a root or stalk on the end, which has to be cut off when the corn is harvested in the fall of the year.

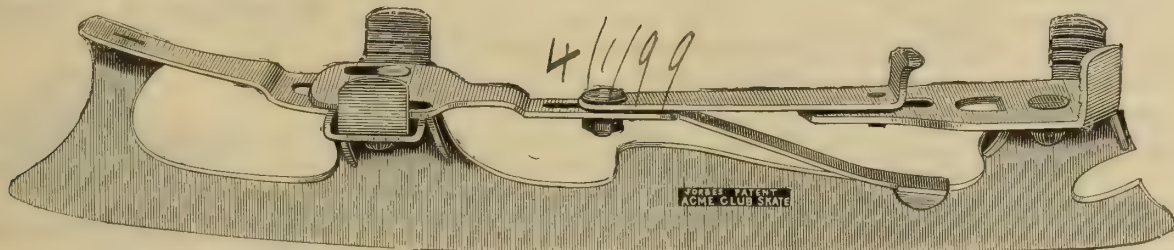
The market prices decline or advance according to the size of the crop, which is materially affected by drought.

The corn is cut in the fall when it is at its

best, care being taken not to allow it to become too ripe, as, like fruit, it becomes useless, after a certain stage, for anything but seeding. After it is gathered, it is culled, sorted and graded. Then it is packed in bales ready for shipping purposes, with stalks outward to preserve the brush part. When it arrives at the storehouse or factory it may be kept for any length of time before being manufactured into brooms, and always retains its natural color, if properly handled and worked. Interior stuff is sometimes dyed to hide its defects. This is easily distinguished when exposed to the sun and air.

A broom factory with a thorough equipment is a regular beehive of workers. The bales of corn are opened and sorted into various grades and lengths. Before being made up, the material of each broom is weighed, and tied in round bunches, and is flattened when going through the process of sewing and finishing. Then the loose seeds have to be removed from each broom separately, as mice and rats are partial to these seeds and are likely to destroy the broom in the attempt to get at them.

Boeckh Bros. & Co. personally select the broom corn used by them direct from the growers. Their output is several hundred dozen brooms per week, besides whisks, brushes, etc.



THE GENUINE ACME.

We are now prepared to fill orders promptly. We make the highest grade of skates, and guarantee them. We solicit your inquiries. Goods dated 1st Nov.

THE STARR MANUFACTURING CO., Limited

T. L. PATON, Resident Agent, Montreal, Que.

DARTMOUTH, N. S.

STAFFORDSHIRE LOCK INDUSTRY.

THIS now very important Black Country industry had not an earlier existence in the district than the 16th century. About the year 1550, a Willenhall artificer named Mark Scaliot, constructed a lock consisting of eleven pieces of iron, steel and brass, all of which, with a piped key, weighed only two grains of gold. There is a tradition that this unique production was sent to Court for the inspection of Queen Elizabeth, who was so delighted with it that she purchased it for a miniature cabinet which she much prized. In 1590 there were three locksmiths in Bilston—Perrye, Kempson and Tomkys—but the trade in that town never rose to any importance, and is now extinct. Dr. Plot, the garrulous historian of Staffordshire, writing in 1686, went into ecstasies about the Wolverhampton blacksmiths and their cleverness in making locks in suites, "six, eight or more in a suite, according as the shopman bespeaks them, whereof the keys shall neither of them open the other's lock, yet one master key shall open them all." Dr. Plot is lost in wonderment at what are now so familiar articles of production—detector locks and locks with alarm bells. In 1776 Dr. Wilkes, of Willenhall, recorded that James Lees, a locksmith in that town, then in his 64th year, made a lock and key the weight of which did not exceed a silver twopence, and expressed his readiness to make a dozen locks and keys the aggregate weight of which should not exceed a silver sixpence. The number of lockmakers in Willenhall at that time was 148, and the number at Wolverhampton was 134. The establishment of the older lock factories in the Black Country still in existence date from 1795, when James Carpenter (now Carpenter & Tildesley) and Jeremiah Chubb (now Chubb & Sons, Limited), commenced operations, the former at Willenhall and the latter at Wolverhampton. The names of Young, Duce, Wolverson and Carter, are prominent among the lockmakers of the district early in the century.

To-day the chief centres of the lock trade in the district are Willenhall, Wolverhampton, Walsall, Wednesfield and Brewood. Willenhall produces the bulk of the warded door locks, rim, dead mortise and drawback made in the district, in addition to some levered locks of the same classes, although the latter are made in much smaller quantity. As regards padlocks, both brass and iron, Willenhall has a virtual monopoly of the trade in the district. For the cheaper class of cabinet locks Willenhall, including the neighboring villages of Short Heath and New Invention, holds the foremost place. Wolverhampton excels in levered door locks, the better class of cabinet locks and,

strangely enough, the cheaper qualities of fine plate locks. The ironwork of the latter articles is made by garret-workmen at Brewood, Coven, Pendeford and other villages between Wolverhampton and Stafford. Walsall is a great centre of the padlock trade, the productions being mostly of the cheaper class. Wednesfield produces cabinet locks in all qualities, but the chief production of the village, so far as the lock trade is concerned, is hand-made keys, which gives employment to a large proportion of the local artisans.—Hardwareman.

THE TRADE JOURNAL.

If you wanted to borrow money of a man, would you go to him when you knew he had it, or when he was dead broke?

If you wanted to marry an heiress, would you "ask papa" when he had had a terrible day in the wheat pit, or when he was comfortably filled up with good things to eat and drink?

If you wanted to get a man into a "quiet little game," would you tackle him when he was alone, or when he was on his way to church with his wife and his mother-in-law?

There's a proper time for all things.

The proper time to make a business proposition to a man is when his mind is on business, when he is right in the thick of just the business you want to talk about.

When a man sits down and commences to read his trade journal his mind is on just the things you want to interest him in.

The question of what to buy and where to buy it is one of the things he depends upon the journal to solve.

If you have anything to sell him, and your ad. isn't there to tell him all about it, some other fellow's will be.

That's why the other fellow gets the trade—and it's quite reasonable, proper and just that he should.—Chas. Austin Bates.

NEW HAND FIRE ENGINE.

Enthusiastic descriptions are given, according to The Philadelphia Record, of a new hand fire engine for use in suburban and country towns where the public service is not within easy call, which has lately been brought out in England. This machine is portable, being mounted on a pair of strong iron wheels, and can pump some 50 gallons of water per minute against a head of 65 feet, or, when used in an emergency, can be forced to deliver 100 gallons a minute. The engine rests on four iron feet, this position being effected by raising the handle of the carriage and lowering the boiler. It is of the quick-rising steam type, and may be run up to a working pressure in a few minutes, which, for emergency work is, of course, of great importance. The pump can be disconnected readily.

Portland Cements

Best German, English and Belgian Brands

**Calcined Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.**

Largest Stocks, Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

M. WALSH & CO.

Late with E. Chanteloup, Montreal.

**PLUMBERS, STEAMFITTERS, GAS-
FITTERS, IRON, BRASS, COPPER
AND TIN WORKERS.**

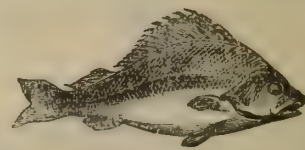
We have a thoroughly efficient staff of men who have had many years' experience in their various branches, and we are thereby enabled to send out good workmen and at short notice.

We shall be glad to give any information, estimates, or prices for any description of Plumbing, Heating, Gasfitting, Electric Wiring, etc.

We also carry a good and varied stock of Gasaliers, Electroliers, Brackets, Globes, etc., and our system is good and sound work at moderate prices.

Office and Works:

562 Craig Street, - MONTREAL

Fishing Tackle.

ALLCOCK'S STAG BRAND

goods are the best. When you buy from us you buy from the largest makers and oldest house in England. Established 1800.

TRADE MARK
The Allocock, Laight & Westwood Co., Limited
73 Bay Street, TORONTO, and
REDDITCH, ENGLAND.

Sole wholesale selling agents for THE DOMINION
HAMMOCK MANUFACTURING CO., Paris, Ont.

THE USE AND SPEED OF BELTING.

IT IS a well-known fact that 5,000 lineal feet per minute is the limit; that belts cease to be of much use beyond that speed. Belting has been run at a very high speed on planers; too high to be of much service. For instance, a planer with 4-inch pulleys on the cylinders, running 5,000 revolutions per minute, will make the belt travel 7,800 lineal feet per minute, or 2,800 too fast to have the belt drive. Many cylinders have 6-inch pulleys running 4,500, making the belt travel 7,800 lineal feet per minute, or 2,850 too fast for it to transmit the power it is capable of doing.

Now, if I wanted to run a planer cylinder 5,000 revolutions per minute, says E. B. Hayes in *The Woodworker*, I would make the diameter of my pulleys on the cylinder $3\frac{1}{2}$ inches. This would make the belts travel 4,583 lineal feet per minute. Thus it will be seen that I have kept the travel of the belt less than 5,000 feet per minute, but I can take a heavier cut with my cylinders than can be taken with the other examples above.

In the last example, the belts will lay to the pulleys, and the two belts on the cylinder will transmit close to 44-horse-power. This will drive a cylinder and take a heavy cut, while, in the two first examples, the belts will slip off when a heavy cut is taken, as these belts are traveling at a speed that they hardly touch the pulleys. Right here, this reminds me of what is being done to "get the air out from under the belts," as they call it.

Some groove pulleys. Some make holes through pulleys. Patents have been taken out for a series of internal pumps to suck the air out from under the belts. Some manu-

facturers of machinery advertise 33 per cent. more power by grooving pulleys. Thus they attempt to show that by turning off a portion of the bearing surface of the pulley by grooving it, that the belt will have a greater bearing surface. If this be true, why have we been taught that a good, smooth-face pulley, together with a good, pliable belt, is the best to make the belt drive?

I am inclined to think our early education was right; at least, I have found it so in practice. It strikes me that the people who groove pulleys, cut holes in them, etc., are in practice like some people I have seen take a very coarse file and scratch the face of a pulley to make the belt drive. I may be mistaken, but in my judgment the air under the belts is a myth. But I must stop here, for if I say more I may disturb some of my best friends, who are grooving pulleys to make the belts drive more.

IT OUTDOES THE GATLING GUN.

A Tyneside engineer has patented a gun which he believes, when perfected, will discharge the enormous number of 30,000 bullets a minute, says *The London Chronicle*. The inventor described his weapon to our Newcastle representative, and there seems to be no theoretical objection to his design.

The gun discharges its missiles by centrifugal force, being, in fact, a wonderful development of the ancient sling. He has a disk working within a case at 15,000 revolutions a minute, a speed which has already been obtained in practice. From the circumference of the disk project two hands. The bullets are poured into the case from a

hopper, and, as they fall, are caught by the hands, which, in coming round, rain them out in a continuous stream through an orifice. They are guided into a sleeve which may be elevated or depressed, and sighted like the muzzle of a rifle.

A great velocity may be obtained by the use of hand-power, but the inventor's idea is to use his gun upon an armored motor car, which should also have projecting blades like the ancient war chariots, with this difference, that they would be movable. The disk of the gun is about three feet in diameter, and, as it travels at the rate of 15,000 revolutions a minute, the circumferential rate is 45,000 feet. This would impel bullets with tremendous muzzle velocity, and at close quarters, would, Mr. Judge declares, mean absolute annihilation to an enemy.

An imperfect machine has already been tested, and found to answer the expectations of its inventor. Mr. Judge is an engineer of long experience, and is inventor of a water-tight door for warships, of an automatic signaling apparatus in use upon railways, and other contrivances that have proved useful in various departments of mechanics.

A NEW EXPLOSIVE.

A new explosive substance, invented by Herr Oscar Fredrik Carlson, of Stockholm, consists of ammonium perchlorate mixed with combustible substances, such as coal, sulphur, sugar, starch, cellulose, fatty oils, carburette hydrogen, nitro-compounds, &c. The explosive produced resembles dynamite in its action; and, for diminishing the high or shattering action, it may receive the addition of vaseline.

WM. CLENDINNENG & SON Stoves..

We make a full line of up-to-date goods. Our Leader, Grand Universal, and Jubilee Stoves are ready sellers.

Can furnish repair plates, as we have patterns for all makes of Stoves, Ranges, and Heaters.


WM. CLENDINNENG & SON

N. B.—

The Trade are invited to get our prices and discounts before purchasing their fall goods.

COR. VINET AND ALBERT STREETS

Ste. Cunegonde

 MONTREAL

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, July 15, 1898.

HARDWARE.

THE general hardware market has been rather quieter, if anything, during the past week. The makers, at their meetings in Toronto, only decided on an advance in copper rivets and a decline in cut nails. Other lines remain under the old terms, but a meeting of the horseshoe men is being held this week, and some changes may result, though it is considered doubtful.

BARB WIRE—There is very little doing in barbed wire, and we quote, as before, \$2 f.o.b. Montreal.

PLAIN WIRE—Business in plain wire of all sorts is lighter than it was. Discounts remain 40 per cent. on oiled and annealed, and 35 on galvanized.

WIRE NAILS—Trade is less active than it was in wire nails, though a fair quantity is still moving out. Values continue unsettled, and \$1.80 would easily be shaded; in fact, we know of business in small lots at \$1.75.

CUT NAILS—An easy feeling is noted in these, the makers, at their meeting, last week, in Toronto, reducing the basis to \$1.75, with an allowance of 5c. per keg to regular retailers.

HORSE NAILS—There is a very moderate trade doing, and discounts are unchanged at 50 per cent.

HORSESHOES—No changes are reported in these yet, but a meeting of workers is to be held in Montreal this week. In the meantime we quote: Iron shoes, light and medium pattern, \$3.25; snow shoes, \$3.50; steel shoes, Nos. 0, 1 and 2, \$5; Nos. 3, 4 and 5, \$4.25; assorted, 0 to 5, \$4.75; new light pattern, all sizes, 1 to 5, \$3.50; toe-weight steel shoes, all forward, \$5.50.

SCREWS—No changes resulted from the makers meeting last week. Discounts are as follows: Flat head bright, 87½ and 10; round head do., 80 and 10; flat head, brass, 82½ and 10; round head brass, 75 and 10. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75 and 10.

BOLTS—The same remarks apply to these. Discounts are as follows: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS—The only change in these was a reduction in the discount on copper rivets and burrs to 45 per cent. Discounts are: Iron rivets, black and tinned, all sizes, 65 per cent. Copper rivets, 45, and washers, 45 per cent.

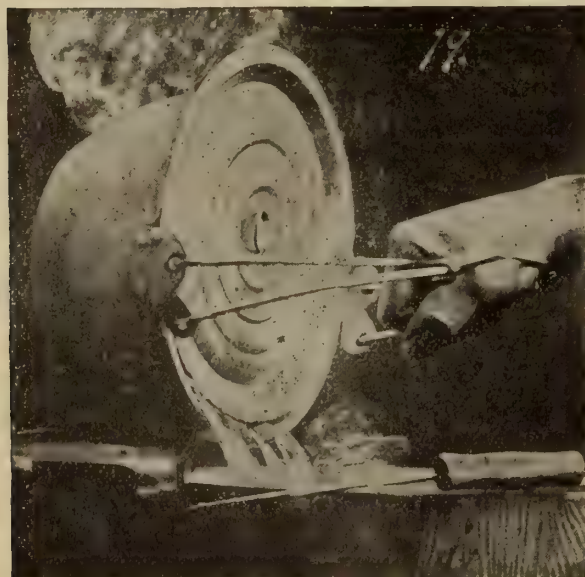
CORDAGE—Rope continues firm and unchanged. We quote as follows: Sisal, 7-16 and up, 12c.; ¾, 12½c.; 5-16 and ¼, 13c., and 3-16, 13½c.; manilla, 7-16, 13¼c.; ¾, 13½c.; 5-16 and ¼, 14½c., and 3-16, 14¾c.

BINDER TWINE—Enquiry for this article continues fair, and prices are firm at the recent advance. We quote: Pure manilla, 14c., and mixed, 11½ to 13c.

CLOTHES WRINGERS—Quiet and unchanged.

HINGES—There is a fair enquiry for these.

Enamelled Preserving Kettles



When ordering be sure and state
"McClary's Enamelled Wares."

Queen of Kitchen

Patented in Canada, U.S., England,
France and Germany.

Made only in "Imperial" ware.
Sizes Nos. 24 to 32 inclusive.

Their Advantages

- The steam cannot scald the hand while pouring.
- They carry level by either bail and cannot tip.
- The cover retains small articles while draining.
- They are safe for children to use, and equally safe for adults.
- They cost only a trifle more than ordinary kettles and can be sold for 25c. extra.

Ordinary style, "FAMOUS"
and "IMPERIAL" ware.
Sizes Nos. 18 to 40 inclusive.

Every piece guaranteed perfect
and thoroughly coated.



The ingredients used in their manufacture are the best obtainable, and are perfectly free from all poisonous materials.

Being perfectly coated they cannot spoil the fruit.

Order early and save yourself disappointment later on.
If you want your goods quick, order from McClary's.

THE McCLARY MFG. CO.

LONDON, TORONTO, MONTREAL,
WINNIPEG, VANCOUVER.



APOLLO BEST BLOOM
GALVANIZED IRON.

There are builders and builders.
Some buy cheap galvanized iron
rolled thin; and some buy Apollo.

Apollo Iron and Steel Company,
Pittsburgh, Pa.

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

FACTORIES

...MONTREAL

CUT NAILS

Clinch and Pressed Nails,
Horse Shoes (Steel and
Iron), Railway and Pressed
Spikes, Mine and Wharf
Spikes, Drift Bolts, Wash-
ers (Steel and Iron).

Canada Iron Furnace Co., Ltd.
Manufacturers of

CHARCOAL Pig IRON
MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers
Lac a lac Tortue. Grand Piles.

GEO. E. DRUMMOND,

Managing Director and Treasurer

We quote: 6 to 12 inch, \$3.50, and 14-
inch, \$2.50.

GREEN WIRE CLOTH—There is a fair
trade doing for the season, and prices are
steady.

SPADES AND SHOVELS—Less active, with
discounts unchanged, at 40 and 10 per
cent.

TOOLS—There is a moderate movement
in harvest tools.

BUILDING PAPER—Rules firm in tone.

CEMENT—There is a good demand for
cement, and prices are firm. We quote :
English, \$2.25 to \$2.35; German, \$2.30 to
\$2.45; Belgian, \$1.80 to \$2, and Canadian,
\$1.60 to \$1.80, as to brand, ex wharf.

FIREBRICKS—As last reported, at \$16 to
\$21 per 1,000, as to brand.

METALS.

The heavy iron and metal market, as a
rule, is less active than it was, but the firm
disposition of values is fully maintained.
Galvanized iron is a particularly firm line
and "Comet" brand has advanced 25c. to
\$4. American spelter is another line that
has stiffened, an advance of 40c. being asked
this week, the inside figure for American
being \$5.40. There has been very little to
report in pig iron, but prices are held firm.
Bar iron continues quiet and unchanged.
The strength noted from week to week in
tinplates is accentuated, if anything, and im-
porters find it impossible to get deliveries,
owing to the prolongation of the coal strike
in Wales, all cable quotations made
by makers being subject to immediate
acceptance. The same conditions govern in
the case of Canada plates, and importers
who tried to place some orders this week
were asked an advance of 10s. on the prices
asked for spring importations. Tin is very
firm also, 17c. being refused this week for a
lot, the holder demanding 17¼ to 17½c.

PIG IRON—We quote : No. 1 Ham-
ilton, \$15 to \$16; No. 2, \$14.50 to \$15;
Ferrona, \$15; Siemens \$15, and Sum-
merlee and equal brands, \$17, ex wharf,
and \$18 to \$18.50 ex yard.

BAR IRON—Steady at \$1.40.

BAND IRON—The same, at \$1.75.

HOOP IRON—Light demand, at \$2.

SHEET IRON—We quote as follows :
\$2.15 on 10 to 16 gauge; \$2 on 18 to 20
gauge; \$2.10 on 22 to 24 gauge; \$2.
20 on 26 gauge, and \$2.25 on 28 gauge.

SHEET STEEL—12 gauge, \$2.15 per
100 lb.; 16 gauge, \$2.30; 18 to 20,
\$2.20 to \$2.30; 22 to 24, \$2.20 to \$2.30;
26, \$2.25 to \$2.35; 28, \$2.35 to \$2.45;
"Dead Flat," 14 to 16 gauge, \$3.25
per 100 lb.; 18 to 20, \$3; 22, \$3.10; 24,
\$3.50; 26, \$3.75.

LEAD PIPE—Composition waste 7½c.,
and lead pipe 7c., discounts 25 per cent.

Steel of all kinds

Sanderson's

Cast Steel for Tools, Dies, Drills, Cant Hook-, etc.
A good assortment in stock.

"Gautier"

Merchant Steel, Bessemer and Open Hearth, for
all purpose. Agricultural steels and finished
shapes a specialty.

Sheet Steel, dead flat or ordinary, in all grades.

A. C. LESLIE & CO.

Montreal.

"GREENING'S COW TIES."

These Cow Ties have stood the test for
years.

Undoubtedly the best and strongest on
the market.

It will pay to handle only the best.

A complete line of all sizes ready for
shipment.

For sale by all jobbers.

The B. Greening Wire Co., Limited
MONTREAL AND HAMILTON

THE LEADER BARREL CHURN has more
improvements than any other Churn on the market. Gives
users better satisfaction. Requires less effort to operate
and is more active than ordinary churns. Has patent gas
vent, malleable handle and special locking attachment.



Ask your dealers for
"THE LEADER"
Sold everywhere

THE DOWSWELL MANUFACTURING CO., Limited
HAMILTON ONT.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

GALVANIZED IRON—Active. We quote: "Queen's Head," \$4.15 to \$4.25; "Comet," \$4.

TINNED IRON—Steady.

PIG LEAD—Very firmly held at \$3.80.

INGOT TIN—Firm, 17½c.

INGOT COPPER — 13 to 13½c.

SHEET COPPER — 16½c. for 14-oz., and 15½c. for 16-oz.

CANADA PLATES—Quite firmly held, and we quote: 52's, \$2.20 to \$2.25; 60's, \$2.30, and 75's \$2.40 to \$2.45. Full polished, \$3.

TIN PLATE—We quote as follows: Coke, I.C., \$2.90 to \$3.25; charcoal, I.C., Allaway or Comet brands, \$3.50; do, I.X., \$4.10 to \$4.25; Lincoln, \$3.75; P. D. Crown, I.C., \$3.95; do, I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Steady at \$6 to \$6.25.

COIL CHAIN—We quote: ¼-inch, \$5; 5-16, \$3.50; ¾, \$3.25; 7-16, \$3.15; ½-inch, \$3, and ⅝ up, \$2.85.

SHEET ZINC—Quiet, at 5¾c.

SOLDER—Steady, at 11 to 11½c.

SPELTER—Unchanged. Vieille Montague \$5.25, and American, \$5.40.

ANTIMONY—Casks, 9½c.

IRON PIPE—Firm. We quote: Black pipe, ¼-inch and ⅜-inch, \$1.95; ½-inch, \$2.20; ¾-inch, \$2.65; 1-inch, \$3.65; 1¼-inch, \$4.75; 1½-inch, \$6.25, and 2-inch, \$8.25. Galvanized, ½-inch, \$3.85; ¾-inch, \$4.70; 1-inch, \$6.50; 1¼-inch, \$9; 1½-inch, \$11.50, and 2-inch, \$16.

SANITARY WARE—Unchanged.

GLASS.

As a result of the sharp advance abroad, which is equivalent to a rise of 20c. per box, and the great scarcity of the article, dealers have marked up prices 10c. per box on 50 feet, and 20c. on 100 feet. We now quote: First break, \$1.50; second, \$1.60 per 50 feet; first break per 100 feet, \$2.80; second, \$3; third, \$3.30; fourth, \$3.50; fifth, \$3.70; sixth, \$4.25, and seventh, \$4.75.

PAINTS AND OILS.

Considerable activity still prevails among manufacturers. Travelers continue on the road, and orders, though lighter (as may be expected at this season), are numerous, and collections are well reported of. Activity in the manufacturing industries greatly assists in maintaining the demand for paints, but the painting trade, too, is calling for extensive supplies. Heavy arrivals of linseed oil during the week are reported, but we hear of no sellers in quantity, so the presumption is that arrivals have again been absorbed by the consuming trades, and no change in price is reported. Tur-

pentine is steadier in the south, but the price locally has been easier. Paris green is in season, and considerable quantities have changed hands during the week. Red lead is much enquired for and stocks are light.

WHITE LEAD—Best brands, Government standard, \$5.62½; No. 1, \$5.25; No. 2, \$4.87½; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4½c.; kegs, 4¾c.; No. 1, casks, 4¼c.; kegs, 4½c.

WHITE ZINC PAINT—Pure, 6½c.; No. 1, 5¾c.; No. 2, 5c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 49c.; boiled, 52c., five-barrel lots one cent less net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to five barrels, 42c. the same terms as linseed oil.

PARIS GREEN—Pure, in barrels, 16¼c.; 250-lb. kegs, 16½c; 50 to 100-lb. drums, 17c.; 1-lb. packets, 18c.; 1-lb. tins, 18½c.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8¼ to 8½c.

SEAL OIL—37 to 40c.

COD OIL—Supplies light, and prices firm at 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4½ to 5½c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

Steady at the last week's decline. We quote as follows: 9½c. for No. 1; 8½c. for No. 2, and 7½c. for No. 3. Lambskins and clips, 30c. per skin.

PETROLEUM.

As last reported: Canadian Crown Acme, 14c.; refined, 12c. in car lots, and 13c. in smaller quantities; American, prime white, 14½c. in small lots; water white, 15c.; Pratt's astral oil, 17c.

MONTREAL NOTES.

American spelter is 40c. higher, at \$5.40.

Ingot tin is ½c. per pound higher than it was last week.

Cut nails are reduced 5c. per keg with the usual allowances.

"Comet" brand of galvanized iron has advanced 25c. per 100 lb.

There has been an advance of 10 to 20c. in window glass on this market.

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

We are the Oldest and Largest Manufacturers of

SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The...

John Morrow Machine Screw Co.
Ingersoll - Ontario.

"THE DAISY"



Barrel Churn with Roller Bearing Stand is the favorite, and takes the lead everywhere. More sold than all other kinds. Improved vent supplied when required. The old style clumsy stand is not to be compared with our neat, strong, common sense, Roller Bearing Stand. Buy The Daisy, or you will miss it.

THE WORTMAN & WARD MFG. CO., LIMITED.
Headquarters, London, Ont. Eastern Branch, 60 McGill St., Montreal, Que.

E. T. WRIGHT & CO.

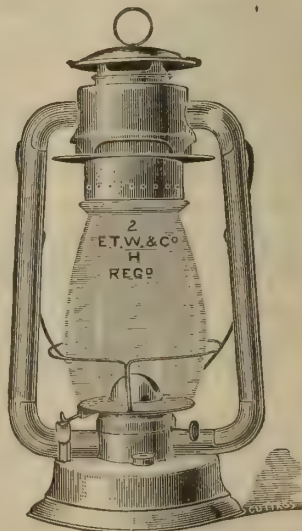
Manufacturers of...

Tubular and Cold Blast
Lanterns

Bird Cages
Mouse Traps
Flour Sifters

Stamped Re-tinned and Japanned

...TINWARE



HAMILTON - CANADA.

ONTARIO MARKETS.

TORONTO, July 15, 1898.

HARDWARE.

TRADE is still keeping up fairly well, although it is not as brisk as it was.

Retailers in the country are doing but a small business at the moment, on account of farmers being busy harvesting. Business in fencing wire—barb and ordinary—is gradually getting into smaller compass. A fair quantity of wire nails are moving, and a demand for the smaller sizes of cut nails is reported. Spades and shovels are not nearly as active as they were. A scarcity of harvest tools is still to be noted. The feature of the hardware trade is the reduction in the price of cut nails and horseshoes.

BARB WIRE—Practically nothing doing. We quote: \$1.80 f.o.b. Cleveland, and \$2 from stock, Toronto. Terms, 30 days or 2 per cent. 10 days.

ORDINARY FENCE WIRE—Quiet, at unchanged prices. Discounts are: Annealed, oiled and annealed, 35 per cent.; galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 65 per cent.

WIRE NAILS—Trade is keeping up fairly well, a good many nails still going out. We quote \$1.80 to \$1.85 per keg, Toronto.

CUT NAILS—The price has been reduced, the base figure now being \$1.75 Toronto, Montreal, Hamilton, London, but the rebate is only 5c. per keg, instead of 10c. per keg as formerly. The demand is slow, except for the smaller sizes, which are being used to some extent, instead of wire nails.

HORSE NAILS—Are quiet at unchanged prices. Discount, 50 per cent.

HORSESHOES—In order to meet the competition of United States manufacturers a rearrangement of prices is being made. Quotations are: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15. Further particulars will be found on the editorial pages.

SCREWS—Trade continues steady. Discounts are as follows: Flat head bright, 87½ and 10; round head bright, 80 and 10; flat head brass, 82½ and 10; and round head brass, 75 and 10 per cent. Machine screws, iron and brass, flat head, 87½ and 10 per cent.

BOLTS—Business is keeping up well. Discounts are: Common carriage bolts, ¾ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and

Economical Roof Protection

that is also reliable and durable
is highly appreciated.

THAT'S WHY

EASTLAKE STEEL SHINGLES

ARE SO POPULAR.

They're fire, rust, leak and lightning proof—the only shingles made with our patent cleat and water gutter—easily and quickly laid—galvanized or painted.

The kind that give absolute satisfaction.

You're sure of quick returns when you handle them. Send for our Catalogue and Price List if you haven't any in stock.

THEY SELL ON THEIR MERITS.

Metallic Roofing Co.

1179 King Street West, TORONTO

5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¾c.; hexagon, 5¼c.

RIVETS AND BURRS—Trade continues steady. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—Very little doing. Orders this week are principally for the smaller sizes. We quote: Sisal, 7-16 in. and larger 11¾c.; ¾ in., 12¾c.; ¼ and 5-16 in., 12¾c.; Manilla, 7-16 in. and larger, 13¾c.; ¾ in., 13¾c.; ¼ and 5-16 in., 14¾c.; deep sea line, 13¾c. for water laid, and 14¾c. for machine-made; hemp, 7 to 9c; lath yarn, 10¼c.

CHURNS—The improvement noted last week has been maintained. We quote discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Very little doing. We quote as follows: "New Leader" and "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50.

BELTING—A good trade is being done, and prices are firm. We quote leather

belting as follows: Agricultural, 65 and 5 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

HINGES—A good trade is still being done. We quote: 6 to 12 inch, inclusive, at \$3.15 per 100 lb., and 14-inch and upwards at \$2.35; light T and strap, 70 and 10 per cent.; screen door hinges, \$9.50 per gross pair.

GREEN WIRE CLOTH—Business is about over, although there is still a little moving. We quote: \$1.20 per 100 square feet. Terms, 4 months or 3 per cent. 30 days.

SPADES AND SHOVELS—Trade is not nearly as brisk as it was, the movement at present being light. Discount, 45 and 10 to 45 and 2½ per cent.

HARVEST TOOLS—Makers are still far behind in their shipments.

GARDEN HOSE—Quiet. We quote: "Lion" and "Western," 70 to 70 and 5 per cent.; "Competition," 75 to 77½ per cent.

BUILDING PAPER—Quiet. We quote as follows: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred.

CEMENT—Business is still active. The change in Belgian is not a decline, as the prices now quoted are for inferior goods, in smaller barrels than formerly. We quote in barrel lots: Canadian Portland, \$2.70 to \$2.90; English do., \$2.85 to \$3; Belgian do., \$2.35 to \$2.50; Canadian hydraulic cements, \$1.10 to \$1.25; calcined plaster, \$1.90 to \$2.

CUTLERY—The demand this spring was somewhat smaller than usual, but stocks are light in the country, and the jobbing houses are getting ready for a good fall business. New lines will be shown, and there is every prospect of an active trade.

WARE—Granite ware is going out freely, but there is not much doing in tinware.

METALS.

The metal trade is quiet and without any very marked features.

PIG IRON—The market is quiet and inclined to be easy. We quote as follows: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$11.80 per ton; No. 2 ditto, \$11.55; No. 1 Northern American soft, \$11.80; No. 2 ditto, \$11.55. Hamilton iron, No. 1, in 100-ton lots, is quoted at \$14, on track Toronto.

BAR IRON—Still quiet. We quote base price \$1.45 to \$1.55 from stock, and \$1.35 to \$1.45 from factory.

HOOP AND BAND IRON—While trade is not as good as it was a week ago, there is still a good business being done. We quote: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—A number of good orders were received during the week. We quote as follows: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—A number of heavy shipments were made during the week at firm prices. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Trade is hardly as good as it was a week ago, although a number of good orders have been received. Shipments in a small way were numerous. We quote: Queen's Head (case lots), 16 gauge, 3½c.; 18 to 24, \$3.87½c.; 26, 4½c.; W. G. 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, 4¼c.; 26 gauge, 4c.; 22 to 24 gauge, 3¾c. per lb. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to

20 gauge, \$3.05. Small lots in all the above are ¼c. per lb. higher than figures named.

PIG LEAD—Trade this week has been on the quiet side. We quote 4 to 4¼c. per lb.

INGOT COPPER—Has been in better demand, although the quantities moving are not large. We quote 12¼ to 13c. per lb.

INGOT TIN—Prices remain steady and unchanged. We quote Straits at 17½c., and Lamb and Flag at 18c.

SHEATHING COPPER—Outside of roofing and braziers', the demand has been light. We quote: Sheathing copper, 15½ to 16½c., according to weight and quantity; braziers', 15½ to 17½c. per lb., according to gauge.

IRON PIPE—Is going out in fair quantities, and business is in a fairly satisfactory condition. We quote as follows: Black pipe, per 100 feet, ¼ to ¾ inch, \$1.87 to \$2; ½ inch, \$2.15 to \$2.20; ¾ inch, \$2.62½; 1 inch, \$3.60; 1¼ inch, \$4.75; 1½ inch, \$6.20; 2 inch, \$8.30. Galvanized, ½ inch, \$3.50 to \$3.80; ¾ inch, \$4.20 to \$4.60; 1 inch, \$5.85 to \$6.20; 1¼ inch, \$8.05 to \$8.25; 1½ inch, \$11 to \$11.25.

RANGE BOILERS—Business is much as before. We quote: Galvanized, 30 gals., \$5.25 to \$5.50; 35 gal., \$6.25 to \$6.50; 40 gal., \$7.25 to \$7.50; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES Trade is just moderate. We quote as follows: Half-polished, 52-sheet boxes, \$2.35; ditto, 60-sheet boxes, \$2.40; dull, 75-sheet boxes, \$2.50; ditto, "Alaska," \$3.

TIN PLATES—The improvement in the demand noted last week has been maintained. We quote: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

TINNED IRON—Business is still fair. We quote as follows: 5½c. in case lots for 22 to 24 gauge, and 2¾c. in lesser quantities; cut to size, 24 gauge, case lots, 4¾c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6¼c. for small lots.

TERNE PLATES—Quiet. We quote: I C, \$6 to \$6.75; I X, \$7.50.

COIL CHAIN—Business is fair. We quote as follows: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ⅝ in., \$2.80; ¾ in., \$2.75.

SHEET ZINC—Trade is steady in small lots. We quote cask lots at 5¾c., and small quantities at 6c.

SOLDER—Business is moderate. We quote: Standard, 11½c. per lb. for quantities, and 12c. for small lots; strictly half and half, 12c. for quantities, and 12½c. for small lots.

ONTARIO LEAD AND WIRE CO'Y, Limited

TORONTO.

Manufacturers of . . .

"Somerville's" Absolutely Pure
and Decorators' Extra

WHITE LEAD

also

"Ontario" Pure, Nos. 1, 2, 3 and 4.

Wire Nails . . .
Barb Wire and Staples
Ross Braid
Ribbon Fencing
Shot, Lead Pipe, and Traps

Importers and dealers in

PLUMBING AND STEAM FITTERS' SUPPLIES

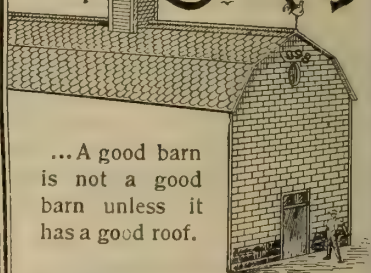
Factory—55, 57 and 59 Richmond St. East.

Office—54 and 56 Lombard Street.

Telephones—763 and 1092.

WRITE FOR OUR PRICES

ROOFS FOR THE BARN.



...A good barn is not a good barn unless it has a good roof.

We would therefore press on **you** the importance of enquiring into the durability of our Steel Shingles before deciding on the covering of your barn.

We guarantee all our steel products to be water, wind, and storm proof and to last a lifetime.

We will give you

the benefit of our 32 years' experience in roofing, our illustrated catalogues, and up-to-date information on these goods on receipt of a post card.

The Pedlar Metal Roofing Co.
OSHAWA, ONT.

ANTIMONY—Quiet. We quote: Cookson's, cask lots, 10½c.; smaller quantities, 11c.; other makes, 8½ to 9c.

ZINC SPELTER—Trade continues fair at unchanged prices, at 5c. for ton lots, and 5¼c. for small quantities.

PAINTS AND OILS.

Enquiry among the paint and oil jobbers discloses the fact that business continues good. In spite of summer heat, travelers are on the road and are sending in orders nicely selected. The various furniture factories, carriage works and implement makers seem to be busy, and there is constant demand. There are complaints from some quarters of shortage of linseed oil, which is taken as evidence of very heavy sales of this article. Painters and decorators appear to be busily engaged, and, while country towns have an air of dullness, owing to harvesting, the farming community seem to be free buyers, and the possibilities of a good fall trade are bright. This week has been an eventful one in Paris green. Orders have poured in over wire, by telephone and by mail, and it has been difficult to fill them promptly. The only manufacturers of the green in this country state that while they are experiencing a brisk demand, they do not anticipate any actual shortage. Dealers, however, would do well not to wait till the last moment when their supplies of this article are running short. There is a good demand for dry colors of all sorts. Turpentine has steadied considerably in the south. Prices throughout are unchanged. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

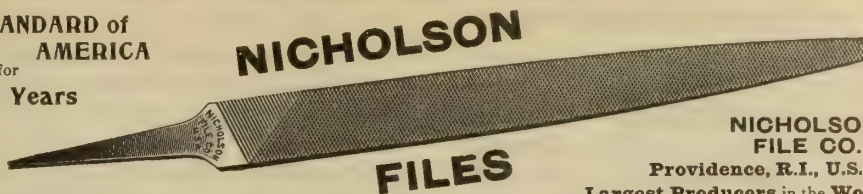
GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

PARIS GREEN—Kegs, 16½c.; 50 and

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30 Years



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FILE CO.**
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Largest Producers in the World.

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Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glas," St. Helens. Telephone No. 68 St. Helens.

100-lb. drums, 17c.; 1-lb. packages, 18c.; 1-lb. tins, 18½c.; cases, ½-lb. boxes, 19½c.

LIQUID PAINTS—Pure, \$1 per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 50c.; boiled, 1 to 4 barrels, 53c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside west-charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

OLD MATERIAL.

The demand has been so good during the last two weeks that prices are firm throughout. There are no changes in quotations, however. We quote: Agricultural scrap, 45c. per cwt.; machinery cast, 52½c. per cwt.; stove cast scrap, 30c.; No. 1 wrought scrap, 40 to 50c. per 100 lbs.; No. 2, including sheet iron and hoop iron, 10c.; new light scrap copper, 7¾c. per lb.; bottoms, 7½c.; heavy copper, 8 to 8½c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2c.; scrap rubber, 3½ to 3¾c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lbs.

GLASS.

Window glass is beginning to move well. There are prospects of still higher prices, as many Belgian dealers will not give any quotations whatever. We quote: First break in 50-foot boxes, \$1.60, and in 100-foot boxes, \$3; double diamond, under 25 united inches, \$4.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

HIDES, SKINS AND WOOL.

HIDES—Prices are firm and unchanged. We quote: No. 1, 9c.; No. 2, 8c.; No. 3, 7c.; cured, 9½ to 10c.

CALFSKINS—Country dealers and city

jobbers do not agree as regards prices. The movement, is, consequently, slow. We quote nominally: No. 1 veal, 8 lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Nominal. The season is over. Lambskins are in fair demand at 40c., and shearlings, at 25c.

WOOL—The market is dull, jobbers and country dealers disagreeing concerning values. Unwashed is quoted at 10 to 11c. and fleece at 16c.

PETROLEUM.

No change in prices. The demand is good. We quote at Toronto, as follows: Canadian, 13½c.; Sarnia water white, 15c.; American water white, 17½c.; Pratt's astral, 16c., in bulk.

COAL.

Trade is quiet. Prices are unaltered. We quote anthracite at Buffalo and bridges as follows: Egg, nut and stove, \$4.25; grate, \$4 per ton.

MARKET NOTES.

Horseshoes are 10 to 15c. cheaper.

The base price of cut nails is quoted 10c. lower, at \$1.75 per keg.

LIFE OF SLATE ROOFS.

The duration of slate is variously placed, but is usually given as 60 years. A resident of Bangor, Pa., informs a contemporary, however, that in 1863, when he was living in England, he assisted in removing the slate from the roof of a building in the Plymouth dockyards that was known to have stood over 300 years. After the old building had been torn down, a new structure was erected on the same site, and the slates, after being redressed, were placed on the new roof, and at last accounts were still there.—Philadelphia Record.

PERSONAL MENTION.

Mr. Rob. Munro, Montreal, managing-director of the Canada Paint Co., Limited, was in Toronto on Tuesday.

Mr. E. W. Chard, hardware merchant, 324 College street, Toronto, left on Wednesday for a two months' trip to Great Britain. It is 25 years since he last crossed the Atlantic. **HARDWARE AND METAL** wishes him bon voyage.

MANILLA AND SISAL ROPE.

SHIPS use great quantities of Manilla rope. The manufacturers of rope and the ship chandlers of the country were, therefore, very much interested in market conditions pertaining to this article long before there was any certainty of hostilities between Spain and the United States, says an exchange. About a year ago an insurrection was expected in the Philippine islands, and immense quantities of hemp were shipped to Europe and this country. The manufacturers of rope are said to have lost a great deal of money on this operation, but the effect of it was to reduce supplies of the fibre from the Philippines. Now comes the war with Spain and the advance in Manilla rope, said to be due as much to short supplies as to the fear of a long continuance of the war. All the fibre which is made into Manilla rope comes from the Philippine Islands. The plant resembles the banana. It grows from seeds and also from shoots or suckers, often to the height of 20 or 25 feet, having a tuft of leaves only at the top. It is difficult for those who live in temperate climates to realize the rank growth of tropical vegetation. When properly matured, the leaves are peeled off down to the bottom of the tree. The fibre is then separated, dried and cleaned, and tied in hanks, being from 10 to 15 feet in length; these, in their turn, are put up in bales of 270 pounds, in which shape the material is shipped to Europe and America for manufacture into rope and binder twine. The importation of Manilla hemp into the United States during 1897 was 123,349,500 pounds.

The fibre called sisal is from a plant that grows in a wider extent of territory, but the best and most profitable country for its cultivation is Yucatan, now part of Mexico. The importation of sisal into the United States in 1897 was 118,601,280 pounds, and of New Zealand hemp 903,690 pounds.

In manufacturing a rope the fibres are first spun into a yarn, this yarn being twisted in a direction called "right hand." A number of these yarns are then twisted "left hand" into a strand. Three or four of these strands are then twisted "right hand" into a now completed rope. As the strand is twisted it tends to untwist the threads, and as the rope is twisted it tends to untwist the strands, but to retwist the threads. It is this opposite twist that tends to keep the rope in its proper form. When a weight is hung on the end of a rope, the tendency is for the rope to untwist and become longer. In untwisting the rope it would twist the threads up, and the weight will revolve until the strain of the untwisting strands just equals the strain of the threads being twisted

tighter. In making a new rope it is impossible to make these strains exactly balance one another. It is this fact that makes it necessary to take out the "turns" in a new rope that is, untwist it when it is put at work. The greater the twist in a rope the better it will keep its form, but it is not quite as strong, because the fibres are strongest in the direction of their length, and the greater the angle of the fibres, due to the twist of the strand, the less is their resistance in the direction of the centre line of the rope. In bending over a sheaf or drum, the rough fibres slide over each other while under pressure from the load, causing internal chafing and wear. Open an old rope by untwisting the strands, and a fine powder will drop out, due to the cause just mentioned. The larger the sheave, therefore, the greater the life of the rope.

MAKING CHANGES.

When making arrangements to build a new or renovate an old store, it would be well to consult a good architect's judgment in the arrangement and construction of both interior and exterior, remarks Stoves and Hardware Reporter. This necessarily entails some extra expense, and yet eventually it may prove a great economy, in that everything will have a suitable place and there will be a place for everything. Too often dealers will rely wholly on the advice of the carpenters in the construction of the buildings, and, in consequence, often obtain results which are highly unsatisfactory. It stands to reason that a carpenter whose business it is to execute rather than to design cannot have an intimate knowledge of that special branch in architecture to which he has given no serious study. At any rate, two heads are generally better than one when it comes to the decision of weighty matters; and such a one as the construction of a new or rearranging or making over an old store is of vital interest to the merchant who is having the work carried on. By this change, or these changes, he hopes materially to increase the volume of his business and meet new requirements; therefore the location of his showcases, the disposition of his fixtures, and arrangement of his shelving, must be made so as to afford the greatest amount of convenience, and, at the same time, be prepossessing in appearance.

SUMMER WINDOW DISPLAYS.

Why should not the hardware dealer have a summer opening in his store, as well as other merchants? asks Stoves and Hardware Reporter. Has he not goods which are intended for summer use, fully as much as the diaphanous fabrics displayed at the

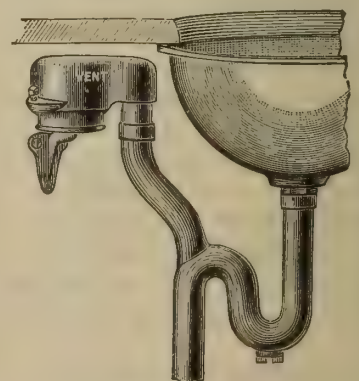
dry goods stores? Surely, then, such an opening may be made which should do something toward increasing trade. It is true that the spring trade is not wholly over, but it requires a good deal of urging to sustain it, and this is one of the means by which it may be prolonged into the summer. A sensible, if not poetic display might be made of summer stoves and all goods for summer use. Such displays are not hard to make, but require some care and thought in their arrangement. At this period of the year a fresh green background should be used, composed of foliage, which can be readily obtained; let branches of palms overhang the arch at back corners, filling in the vacant spaces and giving effect of a vine-wreathed kitchen. At one side the latest designs of, say, two summer stoves, could be placed; then all the rest of the equipment could be naturally arranged so as look homelike and convenient for working purposes. It would be more effective if there were only necessary articles put in this display. They would appeal more strongly to passers-by and cause no confusion, besides giving an opportunity to show each article to the best advantage.

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ELECTRICITY IN ITALY.

The use of electricity in Italy, both for lighting purposes and as a motive power, is constantly extending, and there is consequently an increasing demand for all kinds of electrical appliances connected with this development. Some of these are now made in Italy, but by far the greater part goes from Switzerland and Germany. As previously stated in these columns, in 1899 the centenary of Volta's discovery of the electric pile is to be celebrated in Como, his native town, by an international exhibition of electrical appliances, which will do doubt be most important and interesting. Reports from Milan on the trade of Lombardy for last year say that, although electric traction has not yet been applied to all the tramway lines of the city, still the first year's working under the new arrangement has resulted in a net profit for the municipality of \$190,000, as compared with about \$70,000 under the old system. In the course of the next few months, The Edison Company, which works the electric tramways for the municipality, will take into Milan a force of nearly 10,000 h. p., obtained from the River Adda at Paderno. Six turbines, each of 2,160 h. p., with a seventh as a reserve in case of accidents, will be employed for developing the water-power and conveying it to the dynamos, which will be seven in number, and the electric current will be carried from Paderno to Milan, a distance of 20 miles, across country by means of overhead wires. Those turbines are said to be the most powerful hitherto in use in Europe. It is estimated that the loss of power in transit will not exceed 9 per cent. Of the nearly 13,000 horse-power to be thus developed 2,000 are already disposed of in the town of Menza. The remainder will be brought to Milan, and any surplus that may remain, after providing for the public and private lighting of the city and the working of the tramways, will be let for industrial purposes.

WAGES IN THE TIN PLATE TRADE.

A conference of masters and men, convened for the purpose of discussing the wage rate question in the tin plate trade, was held at Llanelly last Wednesday. Considerable interest was taken in the proceedings, as upon the result of the deliberations depended a very serious strike. Six months ago the men employed at the Western, Old Castle and Old Lodge, three of the largest works in the trade, agreed to a reduction of wages of 15 per cent., and now the masters sought a renewal of the concessions. The workmen offered to accept 7½ per cent. reduction, which the employers declined, and announced that their respective works would be closed next week. It was stated

that in some instances the tin plate manufacturers were in receipt of a concession equal to 22½ per cent. and upwards, and the Llanelly masters under these circumstances found it impossible to compete in an open market with these employers. Both masters and men are firm, and a serious struggle is imminent.—Hardwareman.

AMERICAN GUNS IN ENGLAND.

The British Government, says The Inventive Age, has adopted successively three different American guns for its army, and paid liberally for the patent in each case. The first was the Snider-Enfield gun, by which the Enfield muzzle-loader was converted to a breech-loader. The second was the so-called Martini-Henry, which was the Peabody gun simply changed from rim-fire to centre-fire, and last, the Lee-Metford, which is the Lee gun with some slight alteration of the breech-bolt suggested by Col. Metford. Germany, Switzerland, Austria, and the other European Governments simply appropriate inventions, make some slight alteration, give them a German, Swiss, or Austrian name and never recognize the inventor at all.

ZINC FROM REFRACTORY ORES.

The use of electrolytic methods for refining copper has been so successful and general that attempts have been made to obtain zinc from refractory ores by simple processes, says The New York Evening Post. While there is an extensive commercial demand for pure copper, the use of pure zinc is somewhat limited, and the low value of the metal itself makes possible its extraction from the ordinary ores. Now, however, it is proposed to apply new processes to the treatment of the Broken Hill ore of New South Wales, which contains 30 per cent. each of lead and zinc as sulphides, together with 25 to 50 ounces of silver to the ton. The process consists of first crushing and roasting the ore, after which it is leached with ferric chloride of sulphate. The zinc passes into solution while the iron is precipitated as ferric hydrate. The lead and silver remain in the vats, and the zinc solution, now freed of the iron, passes to the cathode chamber of the depositing vats, and one-third of the zinc is deposited as a metal.

In the first series of anode chambers of the vats are iron anodes, forming ferrous sulphate, while in the remainder carbon electrodes are used, so that it is converted to ferric sulphate. Passing from the electrolytic vats the material goes to the leaching vats, and the process is continued. A plant has been operated upon this plan for several months, but its success has not yet been assured.

COST OF STORING STOVES.

A correspondent in one of the Southern States makes enquiry with regard to the cost of storing stoves during the season when they are not in use, suggesting that 10 per cent. of the cost of the stove would, in his opinion, be a fair charge to cover drayage to the store, cleaning out the stove, storing it, polishing it, and setting it up again when the winter season opens. He also intimates that if any repair parts were necessary, or any re-nickeling was to be done, additional charges would, of course, be made. He asks if these charges are about right, and what the usual custom is.

Some few years ago, the question of storage charges came up in the columns of The Metal Worker, being discussed at considerable length, and it is possible that if our correspondent will run over the articles there presented many valuable hints and suggestions may be obtained. The question, however, is one which admits of further discussion, and is a timely topic for the dealers making a practice of taking stoves on storage during the summer months. We shall, therefore, be very glad to have them express their views on the points raised by this correspondent, outlining with as much detail as may be their methods of conducting this particular branch of the business.—Metal Worker.

CANADIAN NICKEL.

It is said that the experts who examined the wrecked Spanish battleships give a terrible account of the destruction done them by the American shells. On the other hand, the Brooklyn, which was struck 45 times, was not injured to any appreciable extent. The ship was armor plated with nickel plate, and in this proved her superiority.

After this proof of the advantage of nickel for armor plating for battleships, there will naturally be an increasing demand for it, and, as Canada is in the position of possessing the largest amount known to exist, she will be able to reap a greater profit than even by controlling the market to suit herself. Battleships will be built in numbers by the United States and other nations, and many will be replated with nickel, and thus impetus is added to the other sources of wealth to Canada.

BACK FROM EUROPE.

Mr. Elias H. Lyons, formerly of M. & L. Samuel, Benjamin & Co., Toronto, has returned home from a four months' trip to Great Britain and the Continent. HARDWARE AND METAL understands that he may settle down in England as manager of a large manufacturing concern. His brother, Mr. Jake Lyons, who now travels for a Buffalo house, was in Toronto the other day on a visit to his parents.

TRADE WITH CARPENTERS AND BUILDERS.

By Observer, in Iron Age.

IN a recent issue of The Iron Age, I noticed a correspondent's views upon the question of reaching carpenters and builders. The first question presented is something like this: Is the trade of carpenters and builders worth having?

ANOTHER QUESTION.

Yankee fashion, this question can be answered by asking another: Is it worth while for hardwaremen to carry carpenters' and builders' supplies if they do not sell them?

In regard to the trouble and worry incident to the collection of bills, it may be said that if it pays outside competitors there must be a method by which it will pay the local dealer. There is no doubt but that outside merchants are taking a great deal of this trade from local dealers throughout the country. The article referred to by your correspondent, mentioned some of the methods followed, and suggested some plans for counteracting them.

STUDY OTHERS' METHODS.

If the average local merchant can get himself away from himself long enough to study the methods of others he is sure to profit by it. It pays to get out of the store occasionally and see what others are doing. A trip to other cities cannot help but be beneficial to any merchant. He should call upon men in his line of business. He will find them his friends. They are usually glad to show interested parties through their places of business. They like to exchange ideas and discuss methods. Some men say that they can't afford it, but they can afford it, because it will help them and help their business interests. The

TRADE PAPERS

are also practical helps. The man who can't find time to read them generally has not one of the best of stores. His methods usually show that he is working in a rut. There are many good things in every trade paper. One issue, carefully read, is often worth more to a merchant than the amount of a year's subscription.

There are usually a number of

RELIABLE CARPENTERS AND BUILDERS

in every vicinity. Their trade is worth having. A man known to be unreliable should not be permitted to have credit. Should credit be allowed such persons steps should be taken by the merchant to protect himself. This can be done in such a way that no one will be offended.

THE TRADE WORTH CULTIVATING.

It is obvious, then, that this trade is worth having if the right methods are followed in obtaining and holding it. This experience

is that of a firm who did business in a village of 7,000 inhabitants for nearly 40 years. The firm always sold to carpenters and builders. Although they met with a few losses, their business was always satisfactory, and their successors are now enjoying a very good trade in that line. In growing cities this branch ought to be one of the largest of the retail hardware stores.

FIVE MONTHS OF SOUTHERN PIG IRON.

The shipments of pig iron from Alabama and Tennessee furnaces in the first five months of the year were, according to an exchange, as follows:

	Tons.
January	111,000
February	98,500
March	103,000
April	105,000
May	103,000
Total	520,500
Same time last year	476,516
Increase	43,984

Of this total of more than 520,000 tons, the Birmingham shipped 323,000 tons, along with 20,750 tons of cast iron pipe out of a total for the two States referred to of 54,000 tons. In the first five months of last year the total of pipe shipments was 47,489 tons.

The export shipments of pig iron from Alabama and Tennessee in the time under consideration were as follows: January, 15,000 tons; February, 13,500 tons; March, 19,300 tons; April, 6,100 tons; May, 2,400 tons—Total, 53,300 tons.

The great decline in the exports for April and May was undoubtedly due in large part to the war, especially to its advancing and unsettling effect at that time on ocean freight rates.

LOOK FOR MOTHS IN BRUSHES.

Merchants should be on the lookout during the hot weather to keep their stock of brushes, etc., free from moths, for, though they are harmless, the eggs they deposit frequently do incalculable damage to stock on shelf or in box.

The moth is partial to feather dusters, dark-centre bristle brushes, and especially fine camel-hair brushes. Frequently a brush is picked up the appearance of which is all right, but, on examination, it is seen to have been utterly destroyed by the larvæ of the moth.

To sell such a brush would be poor business, as the buyer, while blaming the manufacturer, would also remember with annoyance the dealer who sold it to him. Manufacturers say many dealers are careless in this respect.

Brushes should be carefully papered and boxed, as they are put up by Boeckh Bros. & Co., of Toronto.

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WILL UPSET TIRES

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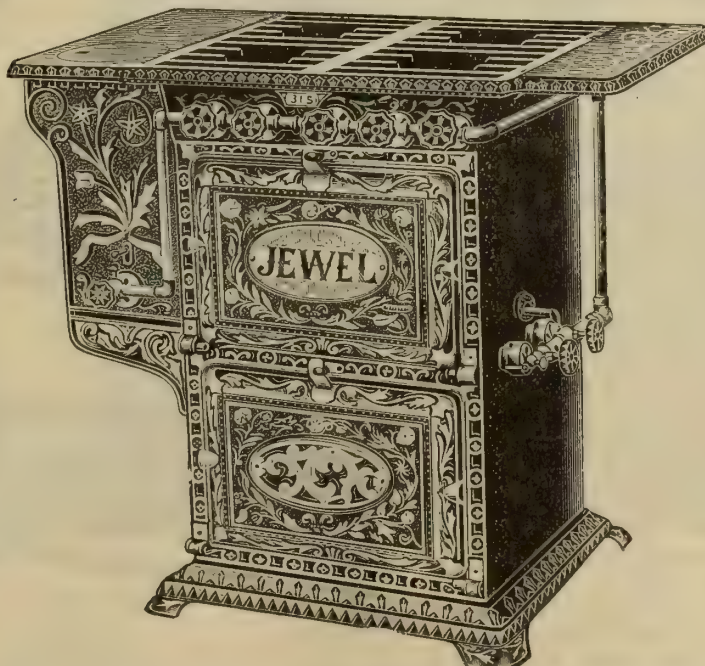
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The Burrow, Stewart & Milne Co., (Limited) Hamilton, Ont.

HOW THE AMMUNITION GOES.

We have received the annual report on musketry instruction in India, says The London Mail. It is generally satisfactory, especially in the field firing, which simulates the conditions of action as closely as possible. In view of the fact that on one occasion it took twenty-seven minutes for the firing line to obtain fresh ammunition, and that a man seldom takes into action more than 150 rounds, the following passages about practice at Meerut are important:

"Men can fire continuously, using the rifle as a single loader, for about half an hour, at the rate of seven rounds per minute, without any inconvenience or damage to the rifle; accuracy of fire is maintained for about 13 minutes, after that it gets somewhat wild; the rifles get hot in about 10 minutes, and the beeswax and oil between the stock and barrel ooze out freely; the stock and wooden hand-guard also get hot after 10 minutes' firing, and there is a perceptible smell of charred wood, but the rifles suffer no damage, and there is no difficulty about loading.

"In the same course it was noted that men fired eight rounds from the magazine in 45 seconds, while others using the rifle as a single loader fired five rounds. Men using only the magazine (that is, refilling the magazine as soon as empty), firing for 7 minutes, fired at the rate of 5.6 rounds per minute against the single loaders' 6.8 rounds per minute.

"Ten men of the Fifth Dragoon Guards fired 500 rounds at 200 yards at a six-foot target with the Martini-Metford carbine in 6 minutes 50 seconds (one man fired his 50 rounds in 5 minutes 23 seconds), and the section made 473 hits in the 500 rounds.

"From the above it may be fairly assumed that men can deliver a fire at the rate of six or seven rounds per minute, and keep it up for about half an hour, and that this would mean an expenditure of nearly 200 rounds per man in half an hour, if firing from a defensive position or during a halt in the attack. During brigade field firing at Meerut, the containing line actually continued to fire for 31 minutes before the main attack could be driven home. This fire was, however, controlled more than would have been possible in a hot fire."

SPORTING GOODS CATALOGUE.

Merchants who desire to capture a good share of the fall trade in shot guns, rifles, revolvers, ammunition, etc., should secure a copy of the sporting goods catalogue, just issued by M. & L. Samuel, Benjamin & Co., Toronto. This catalogue includes descriptions of all the latest novelties, as well as the regular staples among shooting goods, handled by this firm; also skates, both Canadian and German make.

We Lead in Axes

Our travellers are now taking axe orders for fall delivery. Our "Buffalo Bill" Axe is the best seller on the market. Reserve your orders for our travellers.

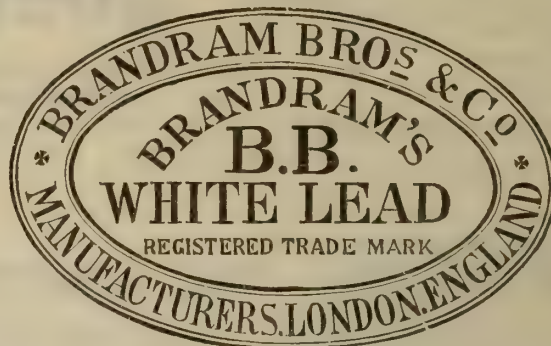
James Warnock & Co.

GALT, ONT.

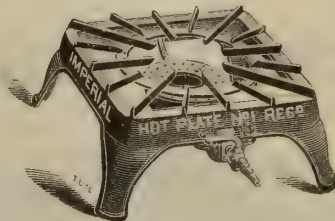
Henderson & Potts

NOVA SCOTIA PAINT AND VARNISH WORKS.

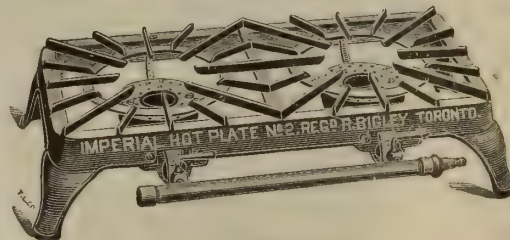
Sole Agents for the Dominion for



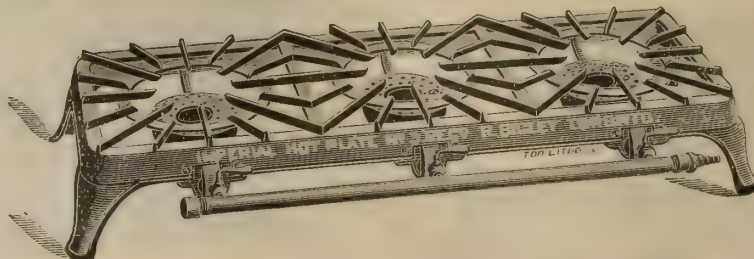
HALIFAX, N. S., and 747 CRAIG STREET, MONTREAL.



SIZE 10 x 10.



SIZE 10 x 20.



SIZE 10 x 30.

IMPERIAL

Gas Stoves.

THESE Stoves are up-to-date in every respect. They are strong and durable, and fitted with convex burners. A sample will convince you of their many advantages.

Send for CATALOGUE.

Manufactured
by

R. BIGLEY, 96 and 98 Queen St. East, **TORONTO**

THE BIG OFFICES OF A BIG CONCERN.

A GOOD sign is it when the business of a manufacturing or mercantile concern swells to such an extent as to cramp the office department and necessi-

HARDWARE AND METAL cannot call to mind any offices in any line of business in Toronto which are so extensive.

An oak counter, some 80 feet in length,



Kemp Manufacturing Co.—Office, Looking West.

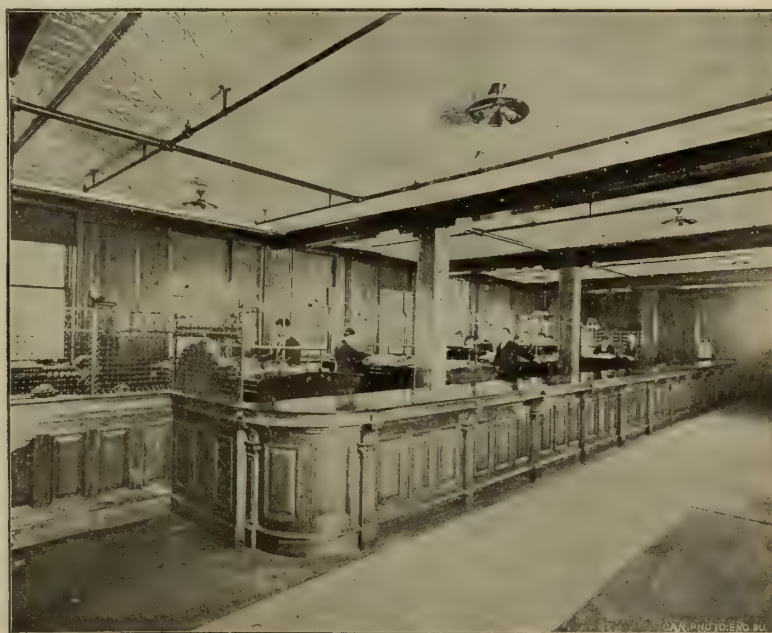
tate its enlargement. This is the experience of the Kemp Manufacturing Co., of Toronto.

During the past decade the company's business has expanded enormously, necessitating the putting on of a new wing to the factory here and another one there, to say nothing of added storeys to buildings already in existence. Some idea of how great this expansion has been may be gathered from a glance at the accompanying illustrations, showing the factory buildings of to-day with those of 12 or 13 years ago. Here a little and there a little was added to the area occupied by the offices, but the growth of the business and the additions to the factory were relatively so much greater, that the Messrs. Kemp at last realized that a radical change was necessary in the offices. To realize this was to act at the earliest possible moment. And a few days ago HARDWARE AND METAL had a peep into the new offices which have been recently completed.

The accompanying illustrations will give those who have not yet seen the offices an idea of what they are like, although it must be confessed that these illustrations rather underestimate the extent of the premises they are designed to depict. They do not, for example, make the offices appear as large as they really are. And then the beauty of design and color cannot be brought out in photographs.

The business and private offices are all on one floor, and occupy a space 100 x 45 feet.

runs down the centre of the office. On the north side of this dividing line are the book-keepers and clerks, and five large double desks, each about 10 feet long, four of which are at right angles with the long counter. At each of these desks are two two-light elec-



Kemp Manufacturing Co.—Office, Looking East.

tric chandeliers. Near the centre of the office, against the north wall, are two telephone boxes, while a few feet further east is the telephone exchange, or "central," through which connection may be obtained

with any department in the large factory. On the south side of the offices are the vaults, the stationery rooms and the lavatories. The ceiling of the offices is decorated metallic, and the walls and furnishings generally are of oak and black ash. Over the main entrance is an electrical clock.

Immediately east of the main office are the private offices of the two proprietors of the concern. Mr. A. E. Kemp's office occupies the northeast corner. A bow window faces the north. It lets in ample light, and commands a good view of the street and a portion of the Don valley. The size of the office is 15 x 22. The office is handsomely appointed. The walls are of polished oak, and the two desks, both of which are shown in the accompanying illustration, are of birch. A telephone on the desk in the centre of the room enables Mr. Kemp to communicate with the business office, any department of the factory, or any person in the city having a telephone. Immediately over the desk is a neat combination gas and electric light chandelier, while two three-light electric lights, one of which can be seen in the illustration, are on either side of the chandelier. In the southeast corner of Mr. Kemp's office, a partial view of which can be obtained in the illustration, is a handsome fireplace, which appeals to one as an old fashioned log fireplace with a modern setting. "That," explained Mr. A. E. Kemp, as HARDWARE AND METAL paused before the fireplace, "is the old

smokestack of the original factory." The present smokestack, erected a year or two ago, is now some three or four hundred feet away, and can be seen in one of the illustrations towering above the factory.

Just a little south-west from Mr. A. E. Kemp's office is the private office of Mr. W. A. Kemp. This office is 14 by 18 feet, and a glance at the illustration will show that it is handsome and well appointed. The walls to within about three feet of the floor are of wood, enameled white, while the remainder is of polished oak.

The stationery rooms, the vaults and the lavatories attached to the business offices are spacious, conveniently situated, and fitted up with modern appurtenances.

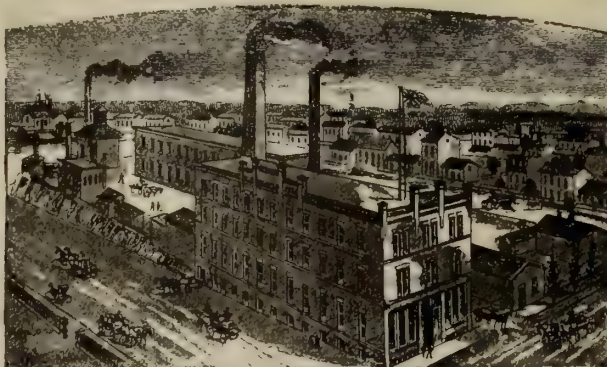
The expansion and remodeling has not been confined to the offices. The sample room, particularly, for the purpose of showing the firm's many and varied descriptions of enamel and tinware, had, like the office area, become inadequate, so, when the one was being done, it was decided to do the other. The new sample room is immediately above the business office and practically occupies the same space, being nearly 100 feet deep by 45 feet wide. This room is bright and attractive, as well as spacious.

The ceiling is metallic and is liberally studded with electric lights, thus ensuring good light by night as well as by day. By a glance at the illustration it will be seen that the room is furnished with several tables whereon samples are displayed. There are twelve of these tables, each about 15 feet long, and fitted, it will be noticed, with a lower shelf, thus doubling its capacity. The articles shown in the foreground of the view of the sample room are blue flame oil stoves.

Running off from the east end of the sample room is a "den" for the travelers when they are in town. It is fitted with comfortable chairs, a spacious oak table,

and other pieces of furniture. And here the travelers can smoke and tell yarns to their hearts' content, concocting, at the same time, schemes for getting business.

It may be interesting to readers of **HARDWARE AND METAL** to know that the building



The Kemp Works, 1885.

now occupied as offices and sample rooms is the same that in 1885 embraced factory, offices, sample room and store room all told. Now, the factory and offices occupy the block bounded by River, Gerrard and Bell streets and the Don river, while the

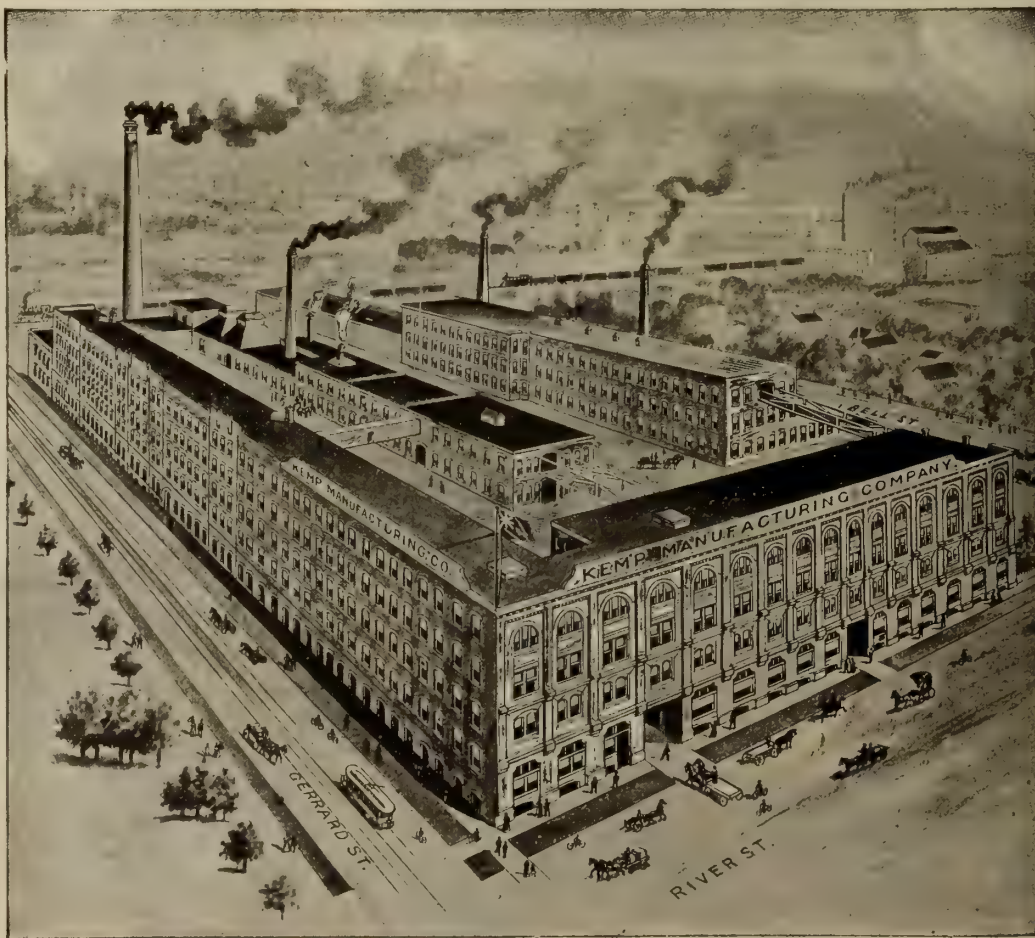
last month or so put on another storey to that part of the factory building fronting on Gerrard street. This addition is 330 feet long by 45 feet wide, and makes the building five storeys high.

Fire insurance premiums on such extensive buildings as that occupied by The Kemp Manufacturing Co. are necessarily heavy. With a view to both reducing these and minimizing the possibility of damage by fire, the company, a few weeks ago, put in, as supplementary to the city fire department, a water main of its own, fed by the river Don, from which, by the aid of a stationary engine, 1,000 gallons per minute can be thrown. An automatic sprinkler system, radiating through every room in the office, factory, sample room and store room, has also just been put in. A fire in

any part of the Kemp factory would have a wet time to-day.

Not only is the company practically independent of outside aid in case of fire, but it is wholly so in regard to light: It manufactures its own electricity by a powerful dynamo stationed in the large engine-room of the factory.

Since the present business came under the control of the Messrs. Kemp, some 12 or 13 years ago, the rapidity of its growth is extraordinary, and an ocular demonstration of this is obtained by comparing the illustrations in this issue, showing the factory as it is to-day and as it was in 1885. But in no particular has its development been, perhaps, so marked as in the enameling department, which was only started about four years ago.



The Kemp Works, 1898.

business of the Kemp Manufacturing Co. extends to all parts of the Dominion.

But, besides the enlargement of offices and sample rooms, the company has within the

"Diamond" and "Granite Steel" brands are now well known to the trade throughout the country. The recent catalogue issued by the company shows hundreds of different articles

made under these brands, and in the white enamelled ware, which consists of tea pots, coffee pots, cups and saucers, kitchen and bedroom utensils, etc., a numerous variety is to be seen. Then, there is japanned ware, pieced tin ware, heavy polished ware, embossed ware, copper ware, sheet steel

CARE AND JUDGMENT.

TOO MUCH cannot be said against one of the greatest of all evils in store-keeping, and that is the ruthless cutting of prices, says Stoves and Hardware Reporter. There are periods when it runs like a veritable epidemic through all lines

the customer so highly may not be proportionately beneficial to the merchant, and a cutting in prices is an exemplification of it.

It is less difficult to advertise a cut-price sale than to evolve other methods by which an equal amount of trade may be attracted and business enlivened—but it could be done if more time and thought were put upon the matter. There are innumerable ways by which store service may be improved, goods shown to a better advantage or more attractive and interesting advertisements written for the newspapers. Those should be assiduously tried before price-cutting to a marked degree is indulged in.

Another problem which confronts dealers in small stores is how to keep the higher class of patronage at home, and thus prevent its going to larger towns, where a more effective attempt is made to keep a higher class and a greater variety of goods in stock. Many people who do not always make the trip personally to buy the goods out of town will send for them, and the effect on 'home trade is about the same. There are several reasons why people do this. In the first place, they find a larger stock to select from, or else they save a few cents on the transaction, and the latter consideration is a weighty one with many who desire to economize, either from necessity or parsimony. The writer has known instances where this occurred in small towns, and observed that the merchant did not employ very skilful tactics in putting a stop to it. Instead of proceeding as he should, he assumed an



Mr. A. E. Kemp's Office.

ware, galvanized iron ware, stovepipes and elbows, stoveboards, steel goods, and many other lines which the Kemp factory is continually and steadily turning out.

Big as the Kemp Manufacturing Co.'s business has become, growth still appears to be its characteristic.

of trade, the hardware not excepted, and it is time that some more efficient means were employed to stop it. People get into the habit of expecting cut price sales to be made and look forward to them, and do not buy if they can possibly help it until these occur.

WIRE NAILS FOR PERU.

Mr. Venn, the Vice-Consul for Peru, in a recent conversation with a Birmingham manufacturer, incidentally mentioned English industries, which were being beaten out of the Peruvian market by Belgium and Germany, and he gave as one reason of this the superior methods of parceling these goods which prevail on the Continent. German and Belgian nail makers, he observed, put up their nails and tacks in neat cardboard boxes, which greatly facilitate the sale, while English makers, as a rule, do not take this trouble.

"It may be accepted as a general rule," remarks Hardwareman, "that the store-keeper's assistant in all the markets of the world will, in his own interest, push the sale of goods, the parceling of which gives him the least trouble, and he would naturally hand to his customer a packet of nails or tacks put up in convenient quantity than have to weigh out from bulk and parcel himself on the counter the quantity required."



Mr. W. A. Kemp's Office.

Whose fault is it if consumers have come to regard this as a windfall in their favor, which they would be foolish in not taking advantage of? But it is tolerably well known now that circumstances which favor

antagonistic air, grew angry with his delinquent customers and wore an offended, repellant manner, preparing to stand upon his dignity in his treatment of them rather than propitiate them by obliging them in

ordering any desired goods which were not in his stock. Among the many other things which are not remunerative in storekeeping, a stand-offish, dignified manner is one.

A merchant who desires to win trade must cater to the people's idiosyncrasies rather than that they should toady to his. This is one of the relationships which cannot be reversed. The man who has commodities to dispose of is entirely dependent for his livelihood upon the good will of the public, while it is readily seen that the latter is in no way bound to conciliate the merchant, for if one happens to be disobliging, unfriendly and obnoxious, they can readily find another who is ready to receive them with open arms. In smaller places, where a dealer wishes to be particularly ingratiating, he offers, where he possibly can, to sell goods at the same prices quoted by city stores. This, of course, makes a telling advertisement, which should have good results.

Other dealers who wish to excel in showing their inclination to please, will gladly offer to order goods for customers, thus saving them time and trouble, as well as uniting them in a stronger bond of friendship and unity. If such a practice were once started, it would be comparatively easy to keep it up, when necessary, though we know people feel some natural hesitation in requesting the home dealer to send away for goods, as it implies a dissatisfaction with his stock. Yet it is much better for the far-seeing merchant, who desires to retain trade, to swallow his pride and send away for the goods, for by so doing he will probably sell something at the same time from his own store and make up for any trouble it may cause.

GRAPHITE AS A LUBRICANT.

All hardware dealers doing business with engineers, machinists, bicyclists, etc., should get a copy of the small booklet, "Graphite as a Lubricant," issued by The Joseph Dixon Crucible Co., Jersey City. This booklet is full of pointers regarding graphite, its nature, peculiarities, lubricating qualities, etc. Hardwaremen and machinists should write for a copy of this booklet.

Allan G. Purdy, general merchant, Spring Hill, N.S., has assigned.

AN ENGLISH IRONMASTER.

MR. ARTHUR KEEN and his son, Harry A. Keen, of Birmingham, England, arrived from Ottawa on Tuesday. Mr. Keen is well and widely known in connection with the coal, iron, steel and other commercial undertakings in the United Kingdom. He is vice-president of the Mechanical Engineers, vice-president of the Iron and Steel Institute, a member of the board of management of the British Iron Trade Association, chairman and founder of the Patent Nut and Bolt Co., Limited, of Birmingham, England, which has over 6,000 employees; he is also a director of the London and Midland Bank, which is the fifth largest bank in the United Kingdom; director of Bolckow, Vaughan & Co., Limited, of Middlesbrough-on-Tees, having the largest number of blast furnaces in the United Kingdom for the production of

lies in my power to uphold the commercial supremacy of Great Britain."

Mr. Keen speaks in the highest terms of the great kindness and consideration and of the information which was so unselfishly accorded him in all his investigations in New York, Philadelphia, Washington, Pittsburg, Cleveland, United States, and at Ottawa and Hamilton in Canada, and he stated that he had no doubt that in Montreal the same courtesy and attention would be accorded to him.

SELLING PRICE IN PLAIN FIGURES.

"I notice in a recent issue," say a writer in *The Iron Age*, "a request for an exchange of ideas upon the question of marking selling prices in plain figures. Several times during the past few months I have read articles bearing upon this subject in *The Iron Age*. In every instance the tone of the article has been unquestionably in favor of the plan.

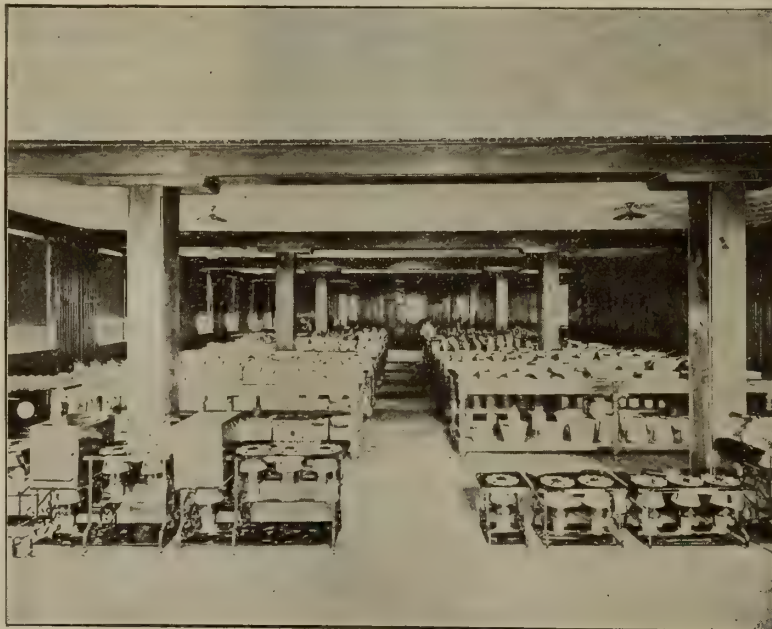
"It seems to me that the day is past when the cipher selling mark had much in its favor. In the first place, it was largely due to this plan of marking that people formed the habit of beating the price down. Several people have told me that when goods were marked in cipher they believed the merchant quoted a higher price in order that he might throw off a little and still clear a good margin. I have known several instances wherein persons left competitors and traded with us because the competitors used cipher marking and we

used plain figures. These people seemed to have the impression that the competitors asked more for their goods, but it was a fact that there was very little variation in our prices.

"There are many other points which to my mind are favorable to the plain figure system. Most of these have been brought out in articles which you have published.

"When the price is unusually low it pays to make the figures large enough to attract the customers' attention, otherwise there is little to be gained by it."

The Hartland, N.B., Advertiser states that the wheat crop in the neighborhood of that town will be below the average, notwithstanding the good season. It seems that the seed did not all grow, and part of what has grown has died.



Kemp Manufacturing Co.—Sample Room.

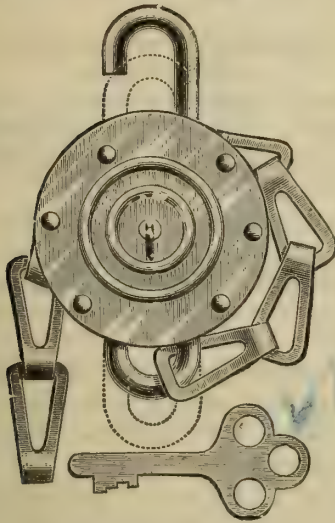
pig iron, and they are also the largest producers of steel rails, employing some 16,000 people.

In conversation with a reporter, Mr. Keen said that England had, for the last three years, enjoyed a period of prosperity, but whilst there are no symptoms of a relapse, there has never been a time when it was more necessary for the conditions of trade in the Old World to be studied by all men of business, as it is recognized that the greatest competitors of British producers are to be found in the United States of America.

Mr. Keen further remarked: "It has been one of the special purposes of my visit to the United States and Canada to look into the circumstances that have brought all this about, and, so far as the branches of business in which I am concerned are interfered with, to do whatever

Bicycle Sundries

Toe Clips, Coasters,
Wrenches, and
BICYCLE PAD LOCKS



Also . . .



"Giant" Metal Sash Chain, Pulleys, "Red Metal"
and Steel Chain---Pad Locks, and Rat Traps.

Manufactured by

THE SMITH & EGGE MFG. CO

Send for
Sundry Catalogue.

Bridgeport, Conn., U.S.A.

Hardware Men

acknowledge that we
make the finest line of

COW TIES

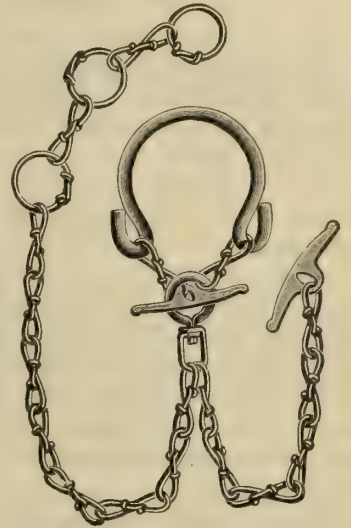
in the world.

This year we are
making a specialty of
the

PRICE.



"AMERICAN" and
"ONEIDA WIRE."



N.B.—Jobbers who have not already arranged with our
traveler should write for 1898 prices.

ONEIDA COMMUNITY, Limited
NIAGARA FALLS, ONT.

John Bowman Hardware and Coal Co.

180 to 182 York St. = LONDON, ONT.

Screen Doors

Woven Wire

Poultry Netting

Fence Wire

Paris Green

Harvest Tools

Builders' Hardware

Full stock of seasonable goods. Prompt shipment. Close prices.

The . . .
Dominion
Wire
Manufacturing
Company,
Limited.

Manufacturers of _____

MONTREAL.



TORONTO.

Iron, Steel,
Brass and
Copper . .

WIRE

WIRE NAILS and WOOD SCREWS
BRIGHT WIRE GOODS

STEEL and BRASS JACK CHAIN

"CRESCENT" COAT and HAT HOOKS

Ask for "Dominion" Goods.

Guaranteed and
SECOND TO NONE.

HEATING AND PLUMBING

ANNUAL PICNIC.

THE second annual picnic of the masters and journeymen plumbers, of Montreal, will be held at Otterburn Park on Saturday, August 6. Trains leave the G.T.R. station at 8.30 a.m. and 1.15 p.m. A dancing platform and a good orchestra have been provided for the occasion.

There were over 1,100 tickets sold at last year's picnic, and the prospects this year are that 1,500 will be nearer the mark. The committee who have the programme and all details in charge, have a meeting next week at which matters of importance will be discussed in connection with final arrangements.

Most of the principal plumbing and supply houses have consented to close their respective business houses on that date, so that the picnic will be a veritable plumbers' day for master as well as workman.

\$43,600 IN BUILDING PERMITS.

Building permits have been issued in Toronto this week to J. F. Goodman, for a two-storey brick residence on Bloor street, near Salem, to cost \$1,800; to R. West, for a two-storey and attic residence at 250 Dufferin street, to cost \$2,800; to Henry Rushbaum, for a brick bath-house, at 36 Centre avenue, to cost \$1,000; to Mrs. Hetherington, for alterations to a brick building, on St. Nicholas street, near St. Mary, to cost \$3,500; to A. Bender, for three new store fronts at 115, 115½ and 117 King street west, to cost \$4,000; to E. R. C. Clarkson, for alterations to the store at the south-west corner of West Market and King streets, to cost \$1,500; to the Allen Manufacturing Co., for a four-storey brick and steel addition to their factory near Simcoe street, on the south side Pearl street, to cost \$30,000.

COAL AND RADIATION.

The Metal Worker says: "We find that one estimate for greenhouse heating allows for hot water 10 tons of coal per 1,000 feet of surface per season. This is in connection with a vertical sectional cast iron boiler of the return flue type. Another item reports the use of 30 tons of coal for heating a greenhouse one season, in which 1,700 feet of surface was used, in a boiler of the saddle type. In another item an experienced practical man said that for house heating three tons of coal will be required for the

season for each 100 square feet of radiation and from one-half to two-thirds as much coal when hot water radiation is used. Another manufacturer has stated that in connection with his boiler one ton of coal will carry 50 square feet of radiation during the winter. We give these figures for the information of our correspondent, and so that those who have had the experience can corroborate them or give the amount of fuel which their experience has found necessary."

WHENCE COMES THE MONEY?

Apropos of the persistence with which the Plumbers' Company introduced into Parliament year after year the Plumbers' Registration Bill, The City Press asks very pertinently from what funds come the expenses the court have incurred in connection with the promotion of this ill-fated measure. That a large amount of money must have been expended will not be denied by those who know the cost of promoting private bills of this character in the face of the very determined opposition it has met with. For six successive years a Registration Bill has been introduced into Parliament under the ægis of the Plumbers' Company, and that means money. As the company's own income is insufficient to warrant such a drain upon it, whence do the sinews of war come? The City Press intimates that possibly a special bequest of £20,000, made to the company some years ago, may have been drawn upon, and adds that, if so, "a rather bitter day of reckoning" may be looked for ere long, as "it is quite a question whether the money can be legally utilized for the purpose." It would certainly be interesting to have an answer to the query—Whence comes the money?—Hardwareman.

PLUMBING AND HEATING CONTRACTS.

Doyle & Lambert have secured the contract for the alterations to the plumbing in the St. James' church Sunday-school, St. John, N.B.

E. C. Mount & Co., Montreal, have contracts for plumbing and heating two new residences on Fort street and McKay street, and have over 29 other contracts booked ahead.

J. Thibault, of St. Paul street, Montreal, has the general contract for all the plumbing, heating and ventilation work on Bonsecours market.

Blouin De Forges & Latonville, Montreal, have been awarded the following contracts lately: The plumbing, heating and ventilating for the Grey Nunnery, the Webster system of steam heating for The Granby Rubber Co., the plumbing and heating of the St. Eustache Convent, the convent of St. Jacques DeLachaigne, also the bishop's palace at Nicolet.

PLUMBING AND HEATING NOTES.

Permits have been granted in London, Ont., to Mrs. Connors for a storey and attic brick residence on Oxford street, near Maitland, to cost \$1,000; and to A. J. Denny for a brick store and veneered stable on Dundas street, near Elizabeth, to cost \$3,000.

The congregation of the Central Methodist church, Woodstock, intend erecting a new building, to cost between \$3,000 and \$3,500, this summer.

Webster & Marshall, plumbers, who have been located at 416 St. Paul street, Montreal, have closed their premises pending reconstruction of the firm.

The Auer Light Manufacturing Co., Toronto, are making arrangements for the establishment of a branch factory in Montreal.

ARMSTRONG MAN'F'G. CO.

AWARDED TO
ARMSTRONG MANUFACTURING CO.
BRIDGEPORT CONN.
FOR BEST EQUIPMENT
FOR PIPE AND BOLTS
CLAIMING
SIMPLICITY DURABILITY
EASINESS OF
REPAIR

INTERNATIONAL COTTON EXPOSITION
ATLANTA GA 1881

WATER GAS AND STEAM FITTERS TOOLS

BRIDGEPORT, CONN.

CATALOGUES ON APPLICATION.

The Stevens Mfg. Co., London, Ont.

—CARRY A FULL LINE OF—

IRON PIPE and Fittings, LEAD PIPE, LEAD TRAPS and Plumbers' and Steamfitters' BRASS GOODS.

McARTHUR AND CO.'S NEW LINE.

UPON receipt of an invitation from Messrs. C. McArthur & Co. to call at their factory, and have a private view of the new line of decorations now being placed before the wall paper trade of Canada, through their large staff of representatives, **HARDWARE AND METAL** gladly availed itself of this opportunity.

It may be interesting to give a few facts regarding the pioneer of wall paper in the metropolis of the Dominion, viz., Colin McArthur, who has been a leading spirit in this branch of manufacture during the last forty years, and who, prior to his arrival in the city of Montreal, personally conducted the management of the large and well known firm of Wylie & Lochead, Whiteinch, Glasgow, with whom he commenced as a lad. The foreign business of this firm extended in large proportions, and particularly with Canada and the United States, which resulted in the partnership in 1879 of Colin McArthur with the late John C. Watson, wholesale crockery merchant, of Montreal, under the style of Watson & McArthur, for the manufacture of wall papers; a few years later, he retired from the above firm, and continued under the style of Colin McArthur & Co.

On **HARDWARE AND METAL**'S visit to their factory, which is situated at 1030 Notre Dame street, and commands a magnificent view of the shipping of the port of Montreal, the representative was cordially received, and shown the various processes of manufacture, with which most readers are already familiar. One is particularly impressed with the energy and foresight in anticipating the requirements of the different branches of manufacture.

We were also shown the large additional wing to the factory, just completed, and made necessary by their increasing business, which is not confined to Canada, but extends to South Africa, Australia, New Zealand, Tasmania, South America, and the West Indies; we mention this fact par-

ticularly, feeling assured it will be interesting to most of our readers to find Canadian manufacturers competing, and successfully so, against the long-established connection of the Old Country.

Their sample rooms are large, well lighted and very comfortable as well. The visitor was shown the results of the efforts, during the last year, to provide a line of wall paper calculated to surpass anything that may be shown to the wall paper trade this coming season. It is extremely difficult to describe the beauty of the combinations shown here, embracing all lines from the cheap to the most expensive; one should, however, particularize the beauty produced by their new system of blending, which must be seen to be appreciated; the strong shades of most unlooked-for colors are taken and blended in a manner that produces the most striking effect, making it difficult to believe that such artistic results can be produced by machinery. This feature pervades the most of their range, and reaches the height of perfection in the line of ingrain friezes. The most popular new shades have been selected as sidewalls, and in these tints, more especially the darker ones, the strong, masterly hand, shown in the reconciling of such dark effects to the delicate tints of the ceilings, is remarkable. The visitor was satisfied the general expression of the trade upon these goods will be summed up in the word "perfection."

After looking through the largest line of samples ever presented to the trade, in any one season, by Colin McArthur & Co., the firm was thanked for the pleasure this visit had afforded.

A "DAISY" CATALOGUE.

Warden, King & Son, of Montreal, are sending out a very handsome descriptive catalogue of the "Daisy" heaters. It is printed on fine coated paper and contains many illustrations. The cover bears a unique decorative design, and, altogether the booklet is one of the nicest that **HARDWARE AND METAL** has seen for some time.

Dealers who are interested can obtain one by sending their names on a post card to Warden, King & Son, Craig street, Montreal.

TO INVENTORS.

Just now inventors are particularly busy with motor vehicles, but we who have to wade through multitudinous specifications do not often come across very much worth reproducing or which promises to yield practical results. When we say that as regards the water tube boiler there have been no less than some 2,200 patents taken out, it will be seen, taking into consideration the very few really successful water tube boilers, how useless and impracticable must be many of these inventions. In this connection it is just as well to recall some words of Rankine written a good many years ago. Said this distinguished engineer: "An evil which arises from the separation of theoretical and practical knowledge is the fact that a large number of persons, possessed of an inventive turn of mind and of considerable skill in the manual operations of practical mechanics, are destitute of that knowledge of scientific principles which is requisite to prevent their being misled by their own ingenuity. Such men, too, often spend their money, waste their lives and, it may be, lose their reason, in the vain pursuit of visionary inventions, of which a moderate amount of theoretical knowledge would be sufficient to demonstrate the fallacy, and for want of such knowledge many a man, who might have been a useful member of society, becomes a being than whom it would be hard to find anything more miserable."—The Automotor.

U. S. TOOL WORKS IN GERMANY.

It is stated that new tool works are to be built at Berlin, Germany, by leading American tool manufacturers. The works are to be known as the Deutsche Niles Werkzeug Maschinen Fabrik. The undertaking, according to parties in the trade, will be carried out by the Niles Tool Works and the Pond Machine Tool Works.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

G. H. WALKER, general merchant, Bothwell, Ont., has sold his stock to R. O. Y. Ainslie, and has assigned to W. R. Hickey.

Wm. H. Jarritt, builder and contractor, St. Johns, Nfld., has assigned.

A. Morine & Son, general merchants, Port Medway, N.S., have assigned.

Brazella F. Miller, general merchant, Upper Middleboro', N.S., has assigned.

R. K. Harris, general merchant, Millbrook, Ont., has assigned to G. F. Harris.

L. Hamel & Co., general merchants, Mine Centre, Ont., are asking for an extension.

Duncan J. McDonald, general merchant and liveryman, Bridgeport, N.S., has assigned.

Ed. Lemire, tinsmith, Pont de Maskinonge, Que., has assigned, and is offering 10c. on the dollar.

Insolvency declaration has been applied for in the case of Voisey & Jackson, wheelwrights, St. Johns, Nfld.

The estate of W. H. Moore, general merchant, North Sydney, N.S., has been conveyed to him by assignee.

The estate of Catherine McDonald, general merchant, Whycocomagh, N.S., is offering 33 1/3 per cent. at 60 days.

PARTNERSHIPS FORMED AND DISSOLVED.

L. Blouin & Fils, lumber dealers, Quebec, have registered dissolution of partnership.

Whitman, Burley & Co., general merchants, Portage la Prairie, have dissolved, C. S. B. Burley continuing.

Copartnership has been registered by A. M. Caldwell only, under the style of A. M. Caldwell & Co., general merchants, Berwick.

SALES MADE AND PENDING.

Albert Abbott, blacksmith, Thorndale, Ont., is advertising his business for sale.

The stock of Isabella Hendry, general merchant, etc., Stirton, Ont., is offered for sale by auction, on the 27th inst.

The assets of The Toronto Brass Co., Limited, Toronto, manufacturers of brass goods, etc., are advertised for sale on the 19th inst.

CHANGES.

The Clarksburg Wood Rim Co., Limited, has been incorporated.

J. B. Perkins, blacksmith, Ashtcroft, B.C., has been succeeded by D. Nevens.

R. M. Graham, general merchant, Melita, Man., has sold out to Thos. McJannet.

Julie Lalonde, wife of A. L. dit Desrosiers, has registered proprietress of the firm of H. Desrosiers, general trader, Montreal.

Sophie M. Charlebois, wife of Anselme Letang, has registered as proprietress of the

firm of A. Letang & Co., hardware dealers, Montreal.

E. H. Williams, tinsmith and furniture dealer, Binscarth, Man., has sold out to W. J. Doig, of Russell, and is moving to Sintaluta, N.W.T.

FIRES.

Charter Smith, founder, Durham, Ont., has been partially burned out; insured.

Oelschlager Bros., machinists, Berlin, Ont., have been burned out.

Amelia J. Kemp, tinware and stove dealer, Colborne, Ont., has been burned out.

Wm. Vokes, carriagemaker and blacksmith, Toronto, has suffered slight damage by fire.

FIRES.

The Huyck Mercantile Co., general merchants, Colborne, Ont., has been burned out; insured.

MONTREAL BUSINESS DIRECTORY.

John Lovell & Son are now issuing a classified business directory of the city of Montreal for 1897-98, containing the names and latest addresses of the numerous wholesale and retail merchants, importers, exporters, manufacturers, professional men, agents, traders and dealers, commission merchants, tailors, millers, druggists, confectioners, restaurants, newspapers, etc.

This volume will contain a complete list of the 1,200 retail grocers doing business in the city, as well as the 400 dealers in confectionery, 550 restaurants and 425 cigar and tobacco dealers.

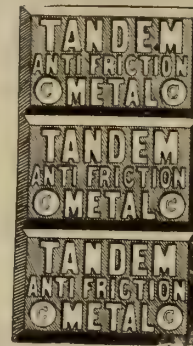
The directory will be sent post free to subscribers upon receipt of price therefor, viz. \$1.

FROSTING BRASS.

The brass, explains an exchange, is either lacquered, put in an acid pickle, or its surface abraded in a particular manner; or the sheets may be swabbed with dilute sulphuric acid in which some dissolved bicromate of potash has been added, though for this a large trough and a plentiful supply of water for rinsing will be required. The following is a good method of frosting brass: Procure a largish, round, firm piece of cork and some pumice-stone powder. Get the brass free from definite scratches, and strew thickly over its surface the pumice powder; then work the cork round and round, using a very small quantity of water. The circular motion of the cork pad ought to leave no direction marks. Continue until there is a good even matt or granulated ground. Swill off the worn pumice powder immediately it has lost its fret, and feed with fresh. Use the bob to polish the sheets before frosting. The polish would give a fine foundation for working on. Lacquer after. If the plates are very large, try silver sand, with the cork pad in place of the pumice powder.

"Tandem" Anti-Friction Metal

suitable for all purposes.



- A For heavy pressure and high speed.
- B For medium pressure and high speed.
- C For low pressure and highest speed.

If your dealer does not carry this line, order direct from

Lamplough & McNaughton

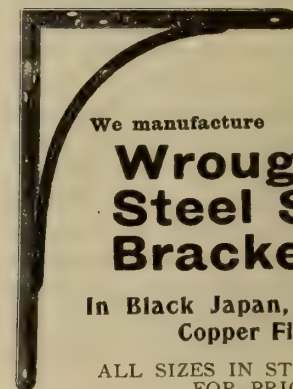
Montreal



"BUILD TO-DAY THEN,
STRONG AND SURE.
WITH A FIRM AND
AMPLE BASE."
— Longfellow.

DO YOU?

WISH THUS TO BUILD
an advertisement
in the
CONTRACT-RECORD.
TORONTO
will bring you
tenders from the
best contractors



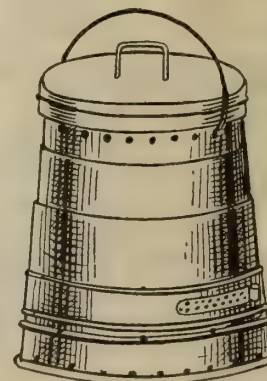
We manufacture

**Wrought
Steel Shelf
Brackets**

In Black Japan, Nickel and
Copper Finish.

ALL SIZES IN STOCK. SEND
FOR PRICES.

H. R. IVES & CO., Montreal.



Mosquitoes, Black Flies, etc., are kept away with SMOKE, from Wood, Bark, Twigs, etc., smouldering in The Patent Folding

"SMUDGE-STOVE"

Only weighs 14 oz. Folds up 4 1/2 x 3 3/4 inches. When well lighted, wood will smoulder or smoke in this stove for four hours. Everyone wants it. Keep them in stock. Price \$12.00 per doz. Ask your wholesaler for them.

HENRY IEVERS, Patentee, - QUEBEC

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

MONTREAL, QUE.

Joseph Rodgers & Sons, Limited

CUTLERS TO HER MAJESTY

Please see that this EXACT MARK is on each blade.

Upheld by injunction in the Court of Chancery.

SOLE AGENTS FOR CANADA,

JAMES HUTTON & CO., MONTREAL



CURRENT MARKET QUOTATIONS.

July 15 1898

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—		
56 and 28 lb. ingots, per lb.	0 00	0 18
Straits	0 00	0 17½

Tin Plates.

Charcoal Plates—Bright.

M.L.S., equal to Bradley.	Per box	
I.C., usual sizes	\$5 00	
I.X., "	6 25	
I.X.X., "	7 50	
J. R. & Co.—		
I.C.	4 75	5 00
I.X.	6 00	6 25
I.X.X.	7 25	7 50

Famous—		
I.C.	5 00	
I.X.	6 25	
I.X.X.	7 50	

Raven & Vulture Grades—		
I.C., usual sizes	3 50	
I.X., "	4 25	
I.X.X., "	5 00	
I.X.X., "	5 75	
D.C., 12½x17	3 00	
D.X., "	3 75	
D.X.X., "	5 75	

Coke Plates—Bright.		
I.C., usual sizes	3 00	
I.C., special sizes, base... ..	3 15	
20x28	6 00	6 25

Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	6 00	
I.X., Terne Tin	7 50	
I.C., Orion	6 00	
I.X., Orion	7 25	7 50

Charcoal Tin Boiler Plates.	Per lb.	
X.X., 14x56, 50 sheet bxs	0 05½	0 06
" 14x60, "		
" 14x65, "		

Tinned Sheets.		
72x30 up to 24 gauge	0 05½	0 06
" 26 "	0 06½	0 06½
" 28 "	0 07	0 07½

Iron and Steel.

Common Bar, per 100 lbs	1 50	1 60
" from factory "	1 40	1 45
Refined "	1 80	
Horse Shoe "	1 80	
Band "	1 85	2 00
Hoop "	2 00	
Swedish "	4 00	4 25
Sleigh Shoe Steel "	2 50	
Tire Steel	2 50	
Machinery "	0 10	0 14
Cast Steel, per lb.	0 12	0 14
Thos. Firth & Sons' Cast Steel	0 10½	0 11
Russian Sheet, per lb.	2 00	2 25
Tank Plates, 1-5 and thicker.	4 50	5 00
Boiler Rivets		

Boiler Tubes.

1½ inch	0 06½	
2 "	0 07½	
2½ "	0 09½	
3 "	0 11	

Steel Boiler Plate.

16 inch	2 00	
"	1 90	

¾ inch and thicker..... 1 75

Sheet Iron.

16 gauge and heavier	2 50	2 70
18 to 20 gauge	2 25	2 50
22 to 24 "	2 25	2 35
26 "	2 35	2 45
28 "	2 45	2 55

Canada Plates.

All dull, 52 sheets	2 25	
Half polished	2 35	
All bright	3 00	

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ¾ inch, \$1.87 to 2.00; ½ inch, \$2.15 to \$2.20; ¾ inch, \$2.62½; 1 inch \$3.60; 1¼ inch, \$4.75; 1½ inch, \$6.20; 2 inch, \$8.50.		
Galvanized, ½ inch, \$3.50 to \$3.80; ¾ inch, \$4.20 to \$4.60; 1 inch, \$5.85 to \$6.20; 1¼ inch, \$8.05 to \$8.25; 1½ inch, \$11.00 to \$11.25.		
Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p. c.		

Galvanized Iron.

16 gauge	0 03½	0 03¾
18 to 24 gauge	0 03¾	0 03¾
26 "	0 04	0 04½
28 "	0 04½	0 04¾

Galvanized Sheets.

" Comet," No. 24	\$3 25	
" 26	3 50	
" 28	3 75	

Chain.

Proof Coil, 3-16 in., per 100 lbs	4 65	
" 1¼ " "	3 75	
" 1½ " "	3 25	
" 1¾ " "	3 15	
" 2 " "	3 10	
" 2½ " "	2 80	
" 3 " "	2 75	
Trace, per doz. pairs	3 60	5 90
German coil, per 100 ft.	1 65	2 70
Jack chain, iron, single, per doz. yards	0 13	0 50
Jack chain, double, per doz. yards		0 15
Jack chain, brass, single, per doz. yards	20	10

Copper.

English B. S., ton lots	0 12½	0 13
Lake Superior		
Cut lengths, round, ½ to ¾ in. round and square 1 to 2 inches	0 20	0 22
NOTE.—Complete, lengths about 15 feet from 18½ to 19 cents a pound.		

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 15	0 16
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 15	0 16½
NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.		
Planished and tinned, 14x48 and 14x60	0 25	0 27
4x6 ft. 25 to 30 lbs. ea., per lb.	0 17	0 19
" 35 to 45 "	0 15½	0 16½
" 50-lb. and above, "	0 15	0 16

Boiler and T. K. Pitts.

Plain Tinned, per lb.	0 21	
Spun, per lb.	0 25	

Wire.

Pure, in coils—		
From 1 to 20 gauge, 12½ p. c. off list.		
From 20 gauge up, 12½ p. c. off list.		

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 30 p. c. off list.		
Sheets, hard-rolled, 2x4	0 20	
Tubing, base, per lb.	0 0	0 22

Zinc Spelter.

Foreign, per lb.	0 05	0 05½
Domestic "	0 00	0 00

Zinc Sheet.

5 cwt. casks	0 05½	
Part casks	0 06	

Lead.

Imported Pig, per lb.	4 to 4½	
Domestic, per lb.	0 03½	
Bar, 1 lb.	0 05	
Sheets, 2½ lbs. sq. ft., by roll.	0 05½	0 06
Sheets, 3 to 6 lbs., per sq. ft., by roll.	0 05	0 05½

NOTE.—Cut sheets ½ cent per lb. extra. Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 27½ per cent. discount. NOTE.—Cut lengths, net price, waste pipe. in 8-ft. lengths, lists at 7½ cents.

Solder.

Bar half-and-half	Per lb.	Per lb.
Standard	0 12	0 12½
Wire	0 11½	0 12

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb.	0 10½	0 11
Other makes, per lb.	0 08	0 08½

White Lead.

Pure, Assoc. guarantee, ground in oil, 25 lb. irons	5 75	
No. 1 do	5 37½	
No. 2 do	5 00	
No. 3 do	4 62½	
No. 4 do	4 25	
Munro's Select Flake White	6 00	
Elephant and Decorators' Pure	5 75	
Brandram's B. B. Genuine	7 75	
James genuine	6 95	
" No. 1	6 45	

White Zinc Paint.

Elephant Snow White	0 07	
Pure White Zinc	0 07	
No. 1	0 06½	
No. 2	0 05½	

Dry White Lead.

Pure, casks	0 04½	
Pure, kegs	0 04	
No. 1, casks	0 04½	
No. 1, kegs	0 04½	

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)		
Pure, per gallon	1 00	
Second qualities, per gallon	0 80	
Barn (in bbls.)	0 70	
The Sherwin-Williams Paints	1 20	
Canada Paint Co's Pure	1 00	1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)		
Venetian Red, per lb.	0 07	
Chrome Yellow	0 11	
Golden Ochre	0 06	
French "	0 05	
Marine Black	0 09	
" Green	0 09	
Chrome "	0 08	
French Imperial Green	0 19	

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt.	1 35	1 40
Yellow Ochre (J. F. L. S.) bbls. per cwt.		2 75
Yellow Ochre (Royal), per cwt.	1 10	1 15
Brussels Ochre	2 00	
Venetian Red (best), per cwt.	1 80	1 90
English Oxides, per cwt.	3 00	3 25
American Oxides, per cwt.	1 75	1 90

Canadian Oxides, per cwt. 1 75 1 90

Burnt Sienna, pure, per lb. 0 10 0 10

Umber, "

do. aw

Drop Black, pure

Chrome Yellows, pure

Chrome Greens, pure, per lb. 0 18 0 18

Golden Ochre

Ultra marine Blue in 28-lb. boxes, per lb. 0 08 0 24

Fire Proof Mineral, per 100 lb. 1 00 1 00

Genuine Eng. Litharge, per lb. 0 07 0 07

Mortar Color, per 100 lb. 1 25 1 25

James' Gen. Red Lead, 100 lb. 0 04½ 0 04½

Pure Indian Red, No. 45, lb. 0 08 0 08

Whiting, per 100 lb. 0 50 0 50

Paris Green.

Pure, in bbls. 0 16½ 0 16½

250 lb. casks

50 lb. drums

1 lb. packages

½ lb. "

¼ lb. "

1-lb. tins. 0 18½ 0 18½

Sulphate of Copper.

Casks, for spraying, per lb. 0 04½ 0 04½

100-lb. cases, do. per lb.

Putty.

Bladders in bbls. 1 80 1 80

Bladders in 100 or 200 lb. kegs or bxs 1 95 1 95

Bulk in bbls., per 100

Bulk in less quantities

25-lb. tins, 4 in case

12½-lb. tins, 8 in case

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph.

Varnishes.

(In bbls.)

Carriage, No. 1

Extra do.

Body Varnish

Furniture Varnish

Extra do.

Demar Varnish

Hard Oil Finish

Orange Shellac Varnish

White Shellac

Rubbing Varnish

Polishing Varnish

Linseed Oil.

Raw, per gal. net. 0 49 0 49

Boiled, per gal. net. 0 52 0 52

Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net. 0 42 0 42

Outside points 1c. more

Castor Oil.

In cases, per lb. 0 10½ 0 10½

Small lots

Cod Oil, Etc.

Cod Oil, per gal. 0 50 0 55

Pure Olive

Neatsfoot

Glue.

(In bbls.)

Common

French Medal

Cabinet, sheet

White, extra

Gelatine

Strip

Coopers

AI clear

Liquid Glue—F. LePage's, discount 20 to 2 per cent off list; Munn's, discount 25 to 30 per cent. off list.

HARDWARE.

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.		
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.		
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.		
Loaded and empty Shells, "Trap and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.		
Shot.		
Canadian, common, 7½ per cent.		
Brass Shot Shells, 55 and 10 per cent. imers, Dom., 30 per cent.		
Wads.—Baldwin	per lb	
Best thick white felt wadding, in ½-lb bags.	1 00	
Best thick brown or grey felt wads, in ½ lb. bags.	0 70	
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99	
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35	
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55	
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20	
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25	
Thin card wads in boxes of 1,000 each 8 gauge		
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M	
11 and smaller gauge	0 60	
9 and 10 gauges	0 70	
7 and 8 gauges	0 90	
5 and 6 gauges	1 10	
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—		
11 and smaller gauge	1 15	
9 and 10 gauges	1 40	
7 and 8 gauges	1 65	
5 and 6 gauges	1 90	
Anvils.	10	0 12½
Anvil and Vice combined,		
each	4 50	
Wilkinson & Co.'s Anvils..lb.	09	0 09½
Wilkinson & Co.'s Vices..lb.	09½	0 10
Augers.		
Gilmour's, discount 65 p.c. off revised list.		
Hollow Stearn's, per dozen	13 00	20 00
Adjustable Stearn's, each	4 50	6 50
Post-hole, Vaughan's, each	60	90
Excelsior, Jennings', discount 50 per cent.		
Awls.		
Sewing, per gross	0 65	1 59
Pegging,	0 65	1 25
Brad,	0 85	1 60
" handled, per gross	3 60	30
Saddler's, per gross	0 45	1 60
Awl Hafts.		
Patent Peg, per gross.	7 25	8 00
Sewing, per gross.		
Awl and Tool Sets.		
Millar's Falls, per doz.	2 80	3 30
AXES.		
Splitting Axes.	5 25	5 50
Chopping Axes—		
Single List, per doz.	6 00	12 00
Double List, " "	11 00	18 00
Bench Axes, 40 and 10 p.c.		
Axle Grease.		
Per gross	6 00	13 00
Bath Tubs.		
Zinc, discount.	3 90	4 00
Copper, discount, 40 and 10 p.c. off revised list.		
Steel clad, 20 per cent. discount off revised list		
Boxing extra		
Bells.		
Hand.		
Brass, 60 per cent.		
Nickel, 55 per cent.		
Door.		
Gongs Sargent's	5 50	8 00
" Peterboro', discount 50 per cent.		
Cow.		
American make, discount 66½ per cent.		
Canadian, discount 45 and 50 per cent.		
Farm.		
American, each	1 25	3 00
House.		
American, per	0 35	0 40
Bellows.		
Hand, per doz.	3 35	4 75
Moulders, per doz.	7 50	10 00
Blacksmiths', discount 60 per cent.		
Belting.		
Extra, 45 per cent.		
Standard, 45 and 10 per cent.		
Agricultural, 65 and 10 p.c.		
Bench Stops.		
Per doz	5 00	6 00
Bits.		
Auger.		
Gilmour's, discount 65 and 5 per cent.		
Excelsior, discount 60 per cent.		
Rockford Common, 70 to 70 and 10 per cent.		
" Perfection, 50 and 10 per cent.		
Jennings' Gen., net list to 5 p.c. discount.		
Car.		
Gilmour's, 47½ to 50 per cent.		
Expansive.		
Clark's 40 per cent.		
Excelsior, 10 per cent.		
Gimlet.		
Clark's, per doz	0 65	0 90
Diamond, Shell, per doz.	1 00	1 50
Nail and Spike per gross	2 25	5 20

Blind Rollers.		
Annex, per doz	1 25	1 75
Mascott, " "	1 35	1 85
Erminie, " "	1 00	0 00
Blind and Bed Staples.		
All sizes, per lb	7½	0 12
Bolts.		
Carriage, dis. 60 and 10 to 70 p.c.		
Tire, dis. 70 and 5 per cent.		
Stove dis., 70 per cent.		
Elevator, dis., 35 to 40 per cent		
Machine, dis., 70 p.c.		
Coach Screws, dis. 70 and 10 p.c.		
Plough bolts, 60 p.c.		
Boring Machine.		
Complete, with augers, each.	5 00	7 50
Braces.		
Barber's	6 00	7 75
Barber's Ratchet	10 00	11 00
Farmers	2 00	2 75
Millar's Falls	15 50	29 00
Brackets.		
Shelf.		
Japanned Canadian, per doz.	0 50	3 40
Berlin Bronze Canadian	0 85	3 20
Broilers.		
Light, dis. 65 to 67½ per cent.		
Reversible, dis., 65 to 67½ per cent.		
Vegetable, per doz., dis. 37½ per cent.		
Henis, No. 8,	6 00	
Henis, No. 9,	7 00	
Queen City	7 50	0 00
Butchers' Cleavers.		
German, per doz.	6 00	11 00
American, per doz.	12 00	20 00
Butts.		
Brass.		
Wrought Brass, dis., 17½ p.c. revised list.		
Cast Iron.		
Loose Pin, dis. 70 per cent.		
Wrought Steel.		
Fast Joint, dis. 70, 10 and 5 to 75 p.c.		
Loose Pins, dis. 70, 10 and 5 to 75 p.c.		
Berlin Bronzed, dis. 70, 70 and 5 per cent.		
Gen. Bronzed, per pair	0 40	0 65
Can Openers.		
Acme, per gross	9 00	10 00
Sardine Scissors, per doz	3 75	4 50
Card.		
Horse, per doz.	0 60	1 00
Carpet Stretchers.		
American, per doz	1 00	50
Bullards, per doz	6 50	
Carpet Sweepers.		
Bissell, per doz	22 50	
World,	21 75	
Daisy,	24 00	
Star	18 00	
Crown Jewel, per doz.	29 00	
Grand Rapids,	24 00	33 00
Cartridges.		
(See Ammunition.)		
Castors.		
Bed new list, dis. 55 to 57½ per cent.		
Plate, dis. 52½ to 57½ per cent.		
Cattle Leaders.		
Nos. 31 and 32, per gross	8 50	9 50
Cement.		
Canadian, Portland	2 50	
English	2 85	
Belgium	2 75	
Canadian hydraulic	1 20	
Figures are for barrel lots.		
Chalk.		
Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18
Chisels.		
Socket, Framing and Firmer.		
American, dis. 75 to 77½ per cent.		
Canadian, dis. 40 and 5 per cent.		
Tanged firmer, per doz	0 85	4 00
Churns.		
Daisy or Leader, dis. from stock or factory		
60, 10 and 5 per cent.		
Steel, net.		3 00
Clamps.		
Judd's, dis. 20 per cent.	3 00	10 00
Stearn's, per doz		
Clips.		
Axle dis 65 per cent.		
Closets.		
Washout, plain	3 25	
" embossed	3 50	
Coffee Mills.		
Box	3 60	13 00
Side	3 60	4 00
Enterprise, No. 0	1 35	
No. 2	70	
Compasses, Dividers, Etc.		
American, dis. 62½ to 65 per cent		

Cradles, Grain.		
Canadian dis. 20 per cent.		
Dies.		
Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.		
Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.		
Door Springs.		
Torrey's Rod, per doz.	(15 p.c.)	2 00
Coil, per doz	0 88	1 60
English per doz.	2 00	4 00
Draw Knives.		
American, dis. 70 and 10 per cent.		
Canadian, dis. 25, 50 and 10 per cent.		
Drills.		
Hand and Breast		
Millar Falls, per doz.	16 00	51 50
P. S. & W., dis. 40 per cent.		
DRILL BIT.		
orse, dis. 37½ to 40 per cent.		
Standard, dis. 50 and 5 to 55 per cent.		
ELBOWS.		
Stovepipe.	85	1 70
Per doz		
FAWCETS.		
Cork Lined, per doz.	0 30	0 35
Wine, per doz.	1 30	3 25
Star,	2 80	3 90
Fenn's Corkstops, No. 2, per dozen	1 70	
Petroleum, per doz.	4 50	6 50
FILES AND RASPS.		
Globe File Mfg. Co.'s dis., files and rasps, 30 and 10 to 70 per cent.		
Toronto File Co.'s dis., files and rasps, 60 and 10 to 70 per cent.		
Black Diamond, 50 and 10 to 60 per cent.		
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.		
Nicholson File Co., 50 and 10 to 60 per cent.		
Heller's Horse Rasps, 50 to 50 and 5 per cent.		
Jowitt's, English list, 25 to 27½ per cent.		
American, 60 to 60 and 5 per cent.		
Great Western, 60 and 10 per cent.		
Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.		
FLUTING MACHINES.		
Each	0 60	2 00
FORKS.		
Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.		
FREEZERS		
Ice Cream.		
Gem from \$1.25 to \$7 net.		
White Mountain, 1 to 25 qt.	1 35	13 50
Arctic, dis. 50 p.c.		
FRUIT PRESSES.		
Henis, per doz.	3 25	3 50
Shepard's Queen City, dis. 15 per cent.		
FRY PANS.		
Acme, dis. 65 to 67½ per cent.		
GAUGES.		
Marking, Mortise, Etc		
Stanley's, dis. 50 to 55 per cent.		
Wire Gauges.		
Winn's, Nos. 26 to 33, each.	1 65	2 40
GLASS.		
Window.		
Box Price.		
Star.	Double Diamond.	
Size	Per	Per
United	50 ft.	100 ft.
Inches.		
Under 25	1 60	3 00
26 to 40	1 75	3 30
41 to 50		3 70
51 to 60		4 00
61 to 70		4 30
71 to 80		4 70
81 to 85		5 25
86 to 90		10 30
91 to 95		11 70
96 to 100		13 75
101 to 105		15 70
106 to 110		
GLUE POTS.		
Tinned, each	0 30	
Evamelled each	0 55	
GRINDSTONE FIXTURES		
Per doz.	3 60	4 00
HAMMERS.		
Nail		
Maydole's, dis. 5 to 10 per cent.	Can., dis	25 to 27½ per cent.
Tack.		
Magnetic per doz.	1 10	1 20
Sledge.		
Canadian, per lb	0 07½	0 08½
Ball Pean.		
English and Can., per lb.	0 22	0 25
HANDLES.		
Axe, per doz., net.	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pairs.	0 40	2 50

Chisel.		
Firmer, per gross	3 00	4 50
Socket Firmer, per gross	3 25	8 00
Socket Framing, per gross	3 75	5 00
Fork.		
C. & B., dis. 45 per cent. rev. list.		
Hoe.		
C. & B., dis. 45 per cent. rev. lis		
Saw.		
American, per doz.	1 00	1 25
Plane.		
American, per gross	3 15	75
Hammer and Hatchet.		
Canadian, 45 per cent.		
Cross-Cut Saw.		
Canadian, per pair	0 13½	0 20
HANGERS.		
Door, 4 and 5 inch, per pair..	0 40	0 50
Lanes, 62½ per cent.		
HATCHETS.		
Canadian, dis. 40 to 42½ per cent		
HINGES.		
Blind, Parker's, dis. 60 and 10 to 65 per cent		
" Shepard's Noiseless, dis. 60 per cent.		
" Buffalo, dis. 60 to 70 p. c.		
Light T and strap, 70 and 10 p.c.		
Heavy, per lb	0 03¾	0 04¾
Screw hook and hinge		
6 to 12 in., per 100 lbs.	3 15	
14 in. up, per 100 lbs.	2 35	
Per doz. set.		
Screw. Eureka.	1 13	1 80
Gate, Clark's	1 50	2 20
" Shepard's, dis. 50 to 60 per cent.		
Per gro. pair.	9 50	
" Shepard's Samson	1 20	
HOES.		
Garden, Mortar, etc. dis. 60, 10 and 5 p.c.		
Planter, per doz.	4 00	4 50
HOOKS.		
Cast Iron.		
Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross	1 00	3 00
Chandelier, per doz	0 50	1 00
Wrought Iron.		
Wrought Hooks and Staples, Can., dis. 47½ per cent.		
Wire.		
Hat and coat, dis. 60 to 60 and 10 p.c.		
Belt, per 1,000.	0 60	70
Screw, bright, Eng., dis. 60 per cent		
HORSE NAILS		
" P. B., dis. 50 p.c.		
" C" brand, 50 p.c. dis.		
" M" brand 50 p.c.		
Acadian, 50 and 20 per cent.		
HORSE SHOES.		
Light and medium pattern	per keg	3 25
Snow Shoes.		3 50
Steel Shoes, light		3 50
" extra light, Nos.		
0, 1, 2.		5 00
Steel Shoes, Nos. 3, 4, 5.		4 25
assorted, 0 to 5.		4 75
All f.o.b. Montreal: Toronto 10c. more.		
ICE PICKS.		
Star per doz.	3 00	3 25
KETTLES.		
Brass spun, 7½ p.c. dis. off new list.		
Copper, per lb.	0 30	35
American, 60 and 10 to 65 and 5 p.c.		
KEYS.		
Lock, Can., dis. 50 p.c.		
Cabinet, trunk, and padlock,		
Am. per gross.		1 60
KNOBS.		
Door, japanned and N.P., per doz.		
Bronze, Berlin, per doz.	2 75	3 25
Bronze Genuine, " "	6 00	9 00
Shutter, porcelain, F. & L.		
screw per gross.	1 30	4 00
KNIVES.		
Clauss, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.		
Christie, bread, cake, and paring knives, \$7.00 doz. sets, with 10 p.c. off.		
Hay knives, spear point, L or T handle, 60 10 and 5 per cent.		
Lightning, per doz.	6 50	8 40
Heath's, \$7.75 net.		
LADLES.		
Melting, per doz.	1 70	4 50
LEMON SQUEEZERS.		
Porcelain lined, per doz.	2 20	5 60
Galvanized,	1 87	3 85
King, wood,	2 75	2 90
" glass,	4 00	4 50
All glass	1 20	1 30
LINES.		
ish, per gross	1 05	2 50
Chalk.	1 90	7

LOCKS.			PULLEYS.			SCREWS.			Leather carpet tacks		
Canadian, dis. 50 p.c.			Hothouse, per doz.	0 55	1 00	Wood, F. H., iron, and steel, dis. 87½ & 10 p.c.			Trunk nails, black and tinned		75
Russell & Erwin, per doz.	1 75	7 50	Axle	0 22	0 33	" " " " " " " " " " " "			Clout nails		75
Cabinet,			Screw	0 27	1 00	Wood, R. H., " dis. 80 and 10 p.c.			Cigar box nails		45
Eagle, dis. 30 p.c.			Awning	0 35	2 50	" F. H., brass, dis. 82½ and 10 p.c.			Lining nails in papers		15
Padlock.			PUMPS.			" R. H., " dis. 75 and 10 p.c.			" " in bulk		15
English and Am., per doz.	0 50	6 00	Canadian cistern	1 40	2 25	Drive Screws, 87½ and 10 per cent.		4 00	" " solid heads, in bulk		70
Scandinavian, " " " "	1 00	2 40	Canadian pitcher spout.	1 15	2 00	Bench, wood, per doz.	3 25	4 00	Saddle nails in papers		10
Eagle, dis. 15 to 17½ p.c.			PUNCHES.			iron, " " " "	4 25	5 75	" " in bulk		15
MACHINE SCREWS.			Saddlers', per doz.	1 00	1 85	SCYTHES.			Tinned capped trunk nails		15
Iron and Brass.			Conductors', " "	9 00	15 00	Discount, per doz. net.	4 50	6 00	Double pointed tacks, discount 90 p.c.		
Flat head, discount 25 p.c.			Tinners' solid, per set.	0 00	0 72	SCYTHE SNATHS.			TAPE LINES.		
Round Head, discount 20 p.c.			" hollow, per inch.	0 00	1 00	Canadian, dis. 50 p.c.			English, ass skin, per doz.	2 75	5 00
MAGNOLIA METAL, ETC.			RAIL.			SHEARS.			English, Patent Leather	5 50	9 75
Magnolia Anti-Friction Metal, per lb.	25		Barn door, per foot.	0 02½	0 02½	B. & W., japanned, dis. 75 p.c.			Chesterman's, each	0 90	2 85
No Name Metal.	15		Sliding door, " "	0 03½	0 03½	B. & W., N.P., dis. 65 p.c.			steel, each	0 80	8 00
Mystic Metal.	10		Lanes, " "	0 02½	0 02½	Seymour's, dis. 60 p.c.			THERMOMETERS.		
F. O. B. New York or Chicago.			RAKES.			Etna, dis. 75 to 75 and 10 p.c.			Tin case and dairy, dis. 75 to 75 and 10 p.c.		
MALLET.			Cast steel and malleable Canadian, list dis			Heinisch, dis. 60 p.c.			THIMBLES.		
Tinsmiths', per doz.	1 25	1 50	60 to 60, 10 and 5 p.c. revised list.			Bristol, japanned, 80 p.c.			Asbestos, filled, per doz., 35 to 40 p.c.		
Carpenters', hickory, per doz.	1 25	3 75	Wood, 25 per cent.			" N.P., dis. 70 p.c.			TIES.		
Lignum Vitae, per doz.	3 85	5 00	RAZORS.			Clauss, full nickel, 60 p.c.			Cow, per doz.	1 25	2 00
Caulking, each	1 60	2 00	Geo. Butler & Co.'s, per doz.	8 00	18 00	" japanned handles, 67½ p.c. off.			TINNERS' TOOLS.		
MATTOCKS.			Boker's, " "	7 50	11 00	Seymour or Heinisch tailor shears, 15 p.c.			P. S. & W., 10 p.c.		
Canadian, per doz.	8 50	10 00	Wade & Butcher's, " "	3 60	10 00	Sliding door, per set.	0 77	1 40	Canadian, 35 to 37½ per cent.		
American, 60 and 10 p.c. off list.			Arbenz's, " "	9 00	18 00	SHEAVES.			TINWARE.		
MEAT CUTTERS.			Theile & Quack's " "	7 00	12 00	Wood rim, black, per doz.	1 05	1 10	Stamped, dis., Assn. list, 80 and 10 per cent.		
American, dis. 30 to 32½ p.c.			RAZOR STROPS.			" tinned, " "	1 25	1 35	Japanned, prices on application		
German, 15 per cent.			Currier's, per doz.	1 25	3 60	Tin rim, per doz.	2 30	2 45	Pieced, prices on application.		
MINCING KNIVES.			RIVETS AND BURRS.			" black.	1 85	2 25	TOE CALKS		
American, per doz.	0 42	2 35	Carriage, Section, Wagon Box Rivets, etc.,			SIEVES.			Blunt Calks, per box.	1 00	
MOLASSES GATES.			(Steel) 65 p.c.			Wood rim, black, per doz.	1 05	1 10	Sharp Calks, " "	1 25	
Stebbin's Patent, dis. per cent., 77½ per cent			Carriage, Section, Wagon Box Rivets, etc.,			Tin rim, per doz.	2 30	2 45	TRANSOM LIFTERS.		
NAILS.			(Norway Iron), 60 p.c.			" black.	1 85	2 25	Payson's, per doz.	2 60	
Cut Nails (Iron). Quotations are :			Black M. Rivets (Steel), 65 p.c.			SNAPS.			TRAPS. (Steel.)		
2d. and 3d.	\$2 75		Black and Tinned Rivets, 60 and 5 to 65 and 5			Harness, German, dis. 35 to 37½ p.c.			Game, Newhouse, dis. 40 p.c.		
3d.	2 40		p.c.			Acme	3 00	5 00	Game, H. & N., P. S. & W., 65 p.c.		
4 and 5d.	2 15		Copper Rivets & Burrs, 45 p.c. dis.			Lock, Andrews' ..	4 50	11 50	Game, steel, 72½, 75 p.c.		
6 and 7d.	2 05		" in ¾-lb. boxes and			SOLDERING IRONS.			Mouse, per doz.	0 35	1 50
8 and 9d.	1 90		cartoons, 1c. per lb. extra, net.			Per lb.	0 25		Rat, per doz.	1 40	6 50
10 and 12d.	1 81		Burrs, iron or steel, 55 and 5 per cent.			WROUGHT SPIKES.			TROWELS.		
16 and 20d.	1 80		Terms, 4 mos. or 3 per cent. cash 30 days.			Discount, 35 to 40 per cent.			Disston's, discount 10 per cent.		
30, 40, 50 and 60d. (base).	1 75		RIVET SETS.			SPOKE SHAVES.			German, per doz.	4 75	6 00
Cut Nails (Steel). Add 10c. to the prices in			Canadian, dis. 35 to 37½ per cent.			Wood, English ..	1 80	5 00	Brade's	5 00	10 50
list for iron nails.			ROPE, ETC.			Iron, American.	1 35	2 35	S. & D., discount 35 per cent.		
Wire Nails, basis, \$1.85, Toronto.			2-16 in. and larger, per lb	11½	13½	SPOONS AND FORKS.			TRIERS.		
Brads and finishing nails, special sizes, 80			¾ in.	12½	13½	Tea spoons, per gross	7 50	12 00	Butter, per doz.	6 25	9 00
p.c. from new list.			¼ and 5-16 in.	12½	14½	Desert, " "	21 00	00 00	TWINES.		
NAIL PULLERS.			Cotton	13	14½	Table, " "	30 00	00 00	Bag, Russian, per lb.	0 21	
German and American.	1 85	3 50	Russia Deep Sea	14½	14½	Tea spoons, per gross	7 50	12 00	Wrapping, mottled, per pack.	0 50	0 60
NAIL SETS.			Lute	6¾	7½	Desert Forks, " "	24 00	00 00	Wrapping, cotton, per lb.	0 17	0 18
Square, round, and octagon,			Lath Yarn	10¾	10¾	Medium " "	27 00	00 00	Mattress, per lb.	0 33	0 45
per gross	3 38	4 00	RULES.			Table	36 00	00 00	Staging, " "	0 27	0 35
Diamond	12 00	15 00	Boxwood, dis. 80 and 10, to 80 and 12½ p.c.			SQUARES.			Broom, " "	0 30	0 55
NETTING.			Ivory, dis. 37½ to 40 p.c.			Iron, per doz.	1 65	2 90	VISES.		
Poultry, 67½ per cent. for imported,			SAD IRONS.			Steel, dis. 70 per cent., revised list.			Hand, per doz.	4 00	6 00
55 per cent. for McMullen's.			Mrs. Potts, per set.	0 62½	1 00	Try and bevel, dis. 50 to 52½ p.c.			Hench, parallel, each	2 00	4 50
OIL.			" N.P., per set.	90		STAPLES.			Coach, each.	6 00	7 00
Canada refined oil (Toronto).	0 14		SAD HEATERS.			Fence, galvanized	2 25	2 50	Peter Wright's, per b.	0 12	0 13
Carbon safety	0 16½		Dome, Shepard's, per doz.	4 75	5 00	Wrought iron, dis. 80 to 82½ p.c.			Pipe, each.	5 50	9 00
American w. w. " "	0 17½		SAND AND EMERY PAPER.			STOCKS AND DIES.			Saw, per doz.	6 50	
Pratt's Astral.	0 17		Sand, Emery Paper, 47½ per cent.			American, dis. 25 p.c.			WASHER CUTTERS.		
OILERS.			B. & A. sand, 40 and 2½ per cent.			STONE.			Per doz.	4 00	
McClary's Model galvan. oil			Emery, 40 per cent.			Washita, per lb.	0 28	0 60	Washers "Iron," 40 per cent., 4 months		
can, with pump, 5 gal.,			SASH CORD.			Hindustan, " "	0 06	0 07	per cent.		
per doz.	0 00	9 00	Per lb.	20	50	slips, per lb.	0 09	0 09	WELL WHEELS.		
Zinc and tin, dis. 50, 50 and 10.			SASH LOCKS.			Labrador.	0 13	0 13	Amer., per doz., 8, 10 and 12		
Copper, per doz.	1 25	3 50	Triumph and Morris, dis. 37½, 40 per cent.			" Axe, " "	0 15	0 15	inch.	3 38	
Brass, " "	1 50	3 50	Kempshell's, dis. 40, 62½ per cent.			Arkansas " "	0 00	1 50	WIRE.		
Malleable, dis. 25 per cent.			Canadian, dis. 45, 50 per cent.			Water-of-Ayr " "	0 00	0 10	Brass Wire, 16 to 25 wire gauge, 12½ p.c.		
PAIS.			SASH WEIGHTS.			Scythe, per gross.	3 50	5 00	Copper Wire, 12½ p.c.		
Galvanized, per doz.	1 85	3 00	Sectional, per 100 lbs.	1 40	1 75	Grind. per ton.	15 00	18 00	Annealed, annealed and oiled, 35 per cent.		
PENCILS.			Solid, " "	1 25		Stove Polish.			[In lots of 1,000 lbs., 35 per cent. discount.		
Dixon's, per gross.	1 00	4 25	SAWS.			Washita, per lb.	0 28	0 60	annealed oiled, and annealed and gal-		
" Carpenter	2 25	3 60	Crosscut, McMillan & Haynes,			Hindustan, " "	0 06	0 07	vanized, freight will be prepaid when not		
PICKS.			per dozen	0 40	0 70	slips, per lb.	0 09	0 09	exceeding minimum rate of 20c. per 100		
Per doz.	6 00	9 00	" Empire, McMillan & Haynes,			Labrador.	0 13	0 13	lbs.]		
PICTURE NAILS.			per ft.	0 00	0 70	" Axe, " "	0 15	0 15	Bright wire, coppered steel and spring, 33½		
Porcelain head, per gross.	1 40	3 00	Hand, Disston's, dis. 12½ to 15 p.c.			Arkansas " "	0 00	1 50	to 35 p.c. revised list, f.o.b. Montreal		
Brass head, " "	0 40	1 00	S. & D., 40 to 40 and 10 per cent.			Water-of-Ayr " "	0 00	0 10	Toronto or Hamilton.		
PIPE CUTTING MACHINERY			Crosscut, Disston's, per ft.	0 35	0 55	Scythe, per gross.	3 50	5 00	Broom Wire, per lb.	0 05½	0 06
Forbes Patent Die Stocks.—Curtis & Curtis			S. & D., dis. 35 p.c. on Nos. 2 and 3.			Grind. per ton.	15 00	18 00	Clothes Line Wire, 19 gauge,		
Mfrs. Bridgeport, Conn.			Hack, complete, each.	0 75	2 75	ENAMELINE			per 1,000 feet	2 75	3 00
No. 30 Hand Machine, range ¼ to			frame only.	0 00	0 75	ENAMELINE			WIRE FENCING.		
2 in. R. & L.	\$ 50 00		SAW SETS.			No. 4-3 dozen in case.	\$4 50		Galvanized, 2 barb, 2½ and 5		
No. 38 Hand Machine, range 1½			Crosscut, McMillan & Haynes,			No. 6-3 dozen in case.	7 50		inches apart.	1 80	2 00
to 4.	100 00		per dozen	0 40	0 70	TACKS, BRADS, ETC.			Galvanized, 4 barb, 4 and 6		
No. 56 Hand Machine, range 2½			" Empire, McMillan & Haynes,			Cheese-box tacks, blue, 80 and 20 p.c.			inches apart	1 80	2 00
to 6.	175 00		per ft.	0 00	0 70	Trunk tacks, black, 80 and 12½ p.c.			Galvanized, plain twist, all		
PLANES.			Hand, Disston's, dis. 12½ to 15 p.c.			tinned, 80 and 12½ p.c.			delv'd.		
Wood, bench, Canadian dis. 55 per cent.			S. & D., 40 to 40 and 10 per cent.			B.B.B. iron carpet, blued.	80		Terms, 60 days, or 2 per cent. in 10 days		
American dis. 55.			Crosscut, Disston's, per ft.	0 35	0 55	" " " "	80		WIRE CLOTH.		
Wood, fancy Canadian or American, 37½			S. & D., dis. 35 p.c. on Nos. 2 and 3.			B.B.B. iron carpet, bright or blued (in	40		Fainted Screen, per 100 sq. ft.	1 20	
to 40 per cent.			Hack, complete, each.	0 75	2 75	kegs)	40		Terms 4 months or 3 per cent. 30 days.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.			frame only.	0 00	0 75	B.B.B. iron carpet, tinned (in kegs)	45		WRENCHES.		
Miscellaneous, dis. 25 to 27½ per cent.			SAW SETS.			B.B.B. cut tacks (in bulk)	80		Acme, 35 to 37½ per cent.		
Bailey's Victor, 25 per cent.			'Lincoln,' McMillan &			" " ¼ weights, 4 to 14	50		Agricultural, 70, 10 and 5 to 75 p.c.		
PLANE IRONS.			Whiting	6 00	7 50	Swedes, cut tacks, genuine, blued and			Standard, dis. 60, 60 and 10 per cent.		
English, per doz.	2 00	5 00	SCALES.			Swedes, upholsterers, 80 and 20.			Coe's Genuine, dis. 30 to 32½ p.c.		
PLIERS AND NIPPERS.			Gurney Scales, 50 p.c.			Swedes, carpet, blued and tinned, doz.	70		Diamond, dis. 33½ to 35 per cent.		
Button's Genuine, per doz. pairs, dis. 37½			B. S. & M. Scales, 50 p.c.			" brush	75		Towers' Engineer, each	2 00	7 00
40 p.c.			Champion 60 per cent			" gimp, blued, tinned & japan'd	75		S., per doz.	5 80	6 00
Button's Imitation, per doz.	5 00	9 00	SCRAPERS.			Zinc tacks.	35		G. & K.'s Pipe, per doz.	3 40	
German, per doz.	0 60	2 60	Box, per doz.	2 10	4 50	Copper tacks.	62½		Burrell's Pipe, each	3 00	
PLUMBS AND LEVELS.			Boat, " "	0 40	3 50	SCREENS.			Pocket, per doz.	25	2 00
S. R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.			SCREW DRIVERS.			Door, patent, per doz.	6 50	11 00	SCYTHES.		
POPPERS.			Window, per doz.	2 00	2 75	Sargent's per doz.	65	4 00	SCYTHE SNATHS.		
Corn, square, per doz.	1 35	2 00	SCREW DRIVERS.			SCYTHES.			SCYTHE SNATHS.		
PRUNING SHEARS.			SCREW DRIVERS.			SCYTHES.			SCYTHE SNATHS.		
Per doz.	4 00	5 50	SCREW DRIVERS.			SCYTHES.			SCYTHE SNATHS.		

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays to any address on receipt of

10 cents

HARDWARE AND METAL, Toronto

THE PRESS CLIPPING DEPARTMENT

Reads every newspaper in Canada and clips therefrom all articles of a business or personal nature of interest to subscribers in this department.

Politicians can obtain from it everything the papers say about themselves on any subject in which they are interested. Business men learn of new openings for trade, pointers to sell goods, addresses of people likely to become buyers, tenders wanted, stocks for sale or wanted, reports of new industries or stores, etc.

Terms—\$5 per hundred clippings: \$40 per thousand, payable in advance; but a yearly contract will be found the most satisfactory.

We have also lists of firms in every branch of trade in the Dominion, the professions, club members, society, etc., and we are prepared to address and mail circulars or letters to these at any time.

THE PRESS CLIPPING DEPARTMENT

Board of Trade, Montreal



Burton's Anti-
Rattler & Bolt
Holder No. 1.

PAT. NOVEMBER 15, 1887.

A perfect Anti-Rattler and Bolt Holder combined. Drops over head of bolt and prevents loss of bolt if the nut comes off. And we also manufacture Burton's Nos. 2 and 3 Gem Wire and Wire Drive and Fernald Wire, Anti-Rattlers. Samples free on application. Becker Game Trap, Dandy Clothes Rack. Ask your jobber for them, or send to us for prices and circulars.

FERNALD MFG. CO., Northeast, Pa., U.S.A.

CHARLES F. CLARK,
President.

J. CHITTENDEN,
Treasurer.

ESTABLISHED 1849.

THE BRADSTREET MERCANTILE AGENCY

THE BRADSTREET COMPANY,

Executive Offices Proprietors.

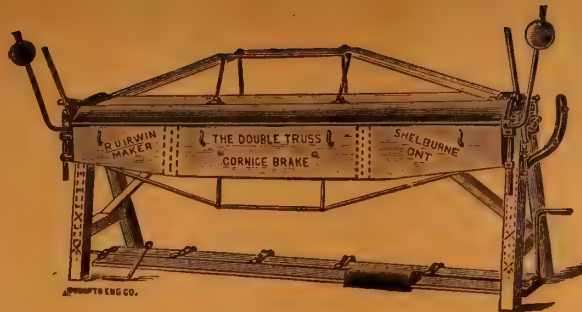
NOS. 346-348 BROADWAY NEW YORK

Offices in the principal cities of the United States, Canada, the European Continent, Australia, and in London, England.

The Bradstreet Company is the oldest and, financially, the strongest organization of its kind—working in one interest and under one management—with wider ramifications, with more capital invested in the business, and it expends more money every year for the collection and dissemination of information than any similar institution in the world.

TORONTO OFFICE.

McKinnon Building, Cor. Jordan and Melinda Sts.
THOS. C. IRVING, Superintendent



This eight-foot Brake bends 22-gauge iron and lighter, straight and true

Price, \$50

Very handy bender attachment, \$10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice
Brake Co. SHELBURNE, ONT.

Brushes for Plumbers and Steamfitters

We keep on hand a special line of *Radiator Brushes, Furnace Brushes, Water-Closet Brushes, etc.*

Our All-Steel *Champion Furnace Brush* is the best value in the market.

MEAKINS & CO.

313 St. Paul Street

— MONTREAL

Baylis Manufacturing Co.

16 to 30 Nazareth Street, MONTREAL

VARNISHES
WOOD FILLERS
OILS

JAPANS
WHITE LEAD
AXLE GREASE

LACQUERS
PAINTS
Etc.

WRITE FOR PRICES.

Church's Potato Bug Finish

READY FOR USE DRY.

NO MIXING REQUIRED.

The only safe way to use a strong poison.

Worth its cost as a Fertilizer.

Does not injure the vines.

300 pounds net in every barrel. Price, f.o.b. Paris,
four barrels for \$10.00. Send in your orders now.

THE ALABASTINE COMPANY, Sole Manufacturers, PARIS

Est. 1883

Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve

Medals



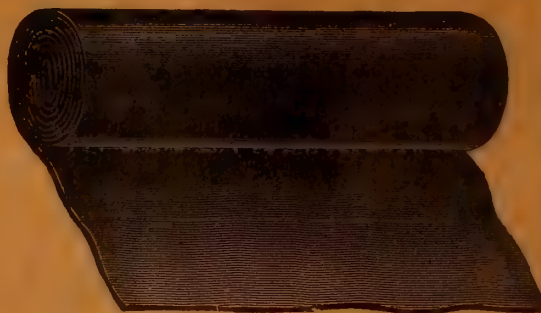
Awarded
By **JURORS** at
International Expositions
Special Prize

Gold Medal at Atlanta, 1895



HAVE YOU TRIED IT?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE CUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

IMPORTANT TO PAINT DEALERS

Good Profit.

Satisfied Customers.

... ALWAYS BUY ...

Robertson's Celebrated Prepared Paints

and run no risks. Everyone appreciates their truly
wonderful qualities.

LET US HAVE YOUR ORDERS AT ONCE.

The JAMES ROBERTSON CO., Limited 263-285 King Street West, Toronto

Telephones 819, 1511 and 1292.

THE PAINT MAKERS

Purest Ingredients--Langwell's
Metallic Alloys--Montreal.

CANADIAN

HARDWARE

AND METAL
MERCHANT

VOL. X

MONTREAL AND TORONTO, JULY 23, 1898

No. 30



Magnolia Metal

*Best Anti-Friction Metal for
all Machinery Bearings.*

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar, besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamp-
ed on the under side of
each bar.



MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Traders' Building.
MONTREAL—Caverhill, Learmont & Co.
General Dominion Agents.

Owners and Sole Manufacturers,
266 and 267 West St., New York

The World's Favorite

It is not only in Canada that "Queen's Head" Galvan-
ized Iron is a favorite for it is equally popular in Australia,
New Zealand, South Africa, and many other markets.
This fact means something, for it shows that the popular-
ity of our iron in Canada is not due to local prejudice.

JOHN LYSAGHT, Limited,
BRISTOL and MONTREAL.

"As Good as Safford Radiators"

You hear this everywhere, "As good as
the Safford Radiators"—when the heating question
is the question. It isn't so—it can't be. If it **was**
so the comparison would have died a natural death,
years ago.

Folks wouldn't say a word about the "Safford" if there was any other
Radiator quite its equal in the absence of packing, bolts, rods at the pipe con-
nections—its absolute freedom from leaks—its perfect and free circulation one
minute after the heat is turned on, and its power to stand a pressure of 140
pounds to the square inch.

That's why the City Hall and Court House at
Toronto decided that there was no other Radiator
just as good as the "Safford" for

The Toronto Radiator Mfg. Co.
Toronto, Ont.

Steam and
Hot Water
Heating.

RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President.

A. BURDETT LEE, V. P. and Treas.

Importers of . . .

Bar Iron
Steel
Boiler Plate

Shelf and Heavy

Hardware



MANTELS
GRATES
TILES

Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets

...TORONTO

Anything in....

Copper

THE range of our product is from the smallest article possible to make to the largest work ever used or required.

COPPER WORK

made to any desired specification or design.



We have always on hand a large stock of

Sheet Copper and
Copper Tubing

CORRESPONDENCE SOLICITED

THE BOOTH COPPER CO.

Limited.

TORONTO

M. B. Perine & Co.

Manufacturers
of . . .

DOON, ONT.

Eureka Binder Twine



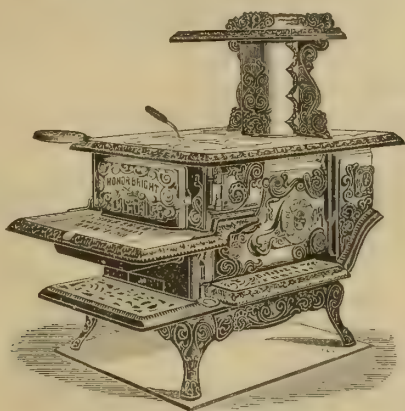
and of every variety
of

Flax, Hemp, Jute and Cotton Twines.
Flax and Hemp Rope, and Plough Lines

"HONOR BRIGHT"

Wood
Cook.

- Heavy.
- Massive.
- Substantial.
- Durable.
- Extra Large Oven and Firebox.



Fitted with Patent Illuminated Oven Door, Corrugated Oven Bottom, and all modern features of Cook Stove construction.

If you have not handled this Stove, it will be to your advantage to secure samples, and arrange for the exclusive sale in your locality.

The William Buck Stove Co., Limited

Manufacturers of the celebrated
"HAPPY THOUGHT" Range.

BRANTFORD, ONTARIO



THRESHING SEASON IS HERE

Our threshing machine belts have a reputation that years of experience can only give. To insure the best value in threshers' belts, one of these brands should be upon each.



Manufactured
by . . .



THE CANADIAN RUBBER CO.
OF MONTREAL

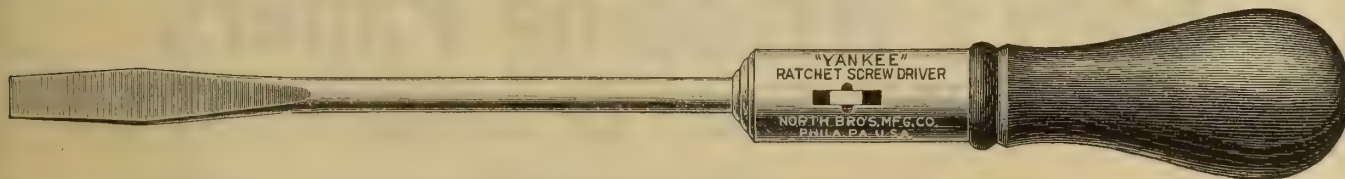
CAPITAL - \$1,500,000.

BRANCHES: Toronto and Winnipeg.

OTHER TOOLS ARE VERY GOOD TOOLS, BUT
"YANKEE" TOOLS ARE BETTER



SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

Sold in Canada by _____

CAVERHILL, LEARMONT & CO.	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	"
RICE LEWIS & SON, Limited	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	LONDON

Descriptive Circulars will be mailed
on application.

North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.

Established 1825.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinisch's Sons Co. vs. Hermann Boker & Co.:

"The complainant (R. Heinisch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinisch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinisch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorne & Co., St. John, N.B., H. S. Howland, Sons & Co., Toronto, and others.

COLDBROOK IRON AND STEEL CO.

Limited

Manufacturers of
all kinds of**BAR IRON.**

• • • • •

GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

Hardware Men

acknowledge that we
make the finest line of

COW TIES

in the world.

This year we are
making a specialty of
the

PRICE.

♦♦

"AMERICAN" and
"ONEIDA WIRE."



N.B.—Jobbers who have not already arranged with our
traveler should write for 1898 prices.

ONEIDA COMMUNITY, Limited
NIAGARA FALLS, ONT.

The fibre is long
and strong

**BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE**

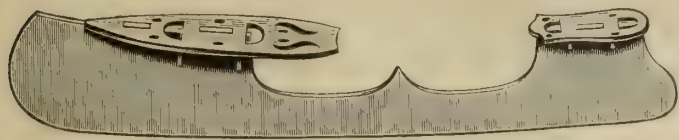
Eddy's Wrapping Papers**The E. B. EDDY CO., Limited**

HULL
MONTREAL
TORONTO
LONDON

ST. JOHN
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WINNIPEG
QUEBEC

VANCOUVER
VICTORIA
ST. JOHN, Nfld.
KINGSTON

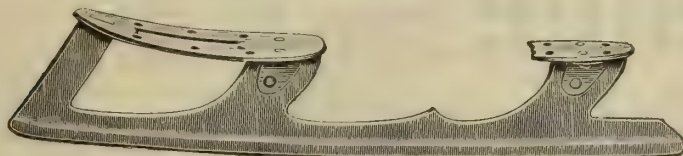
The paper stands
wear and tear



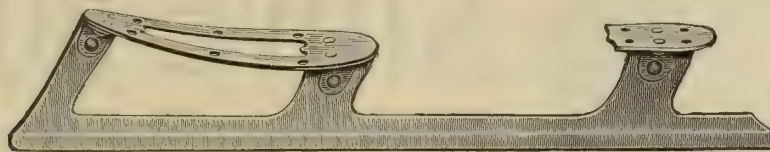
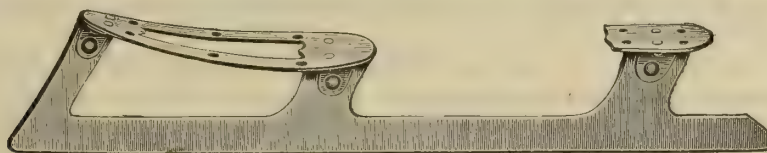
Frothingham & Workman

MONTREAL

have received for coming season
a complete stock of

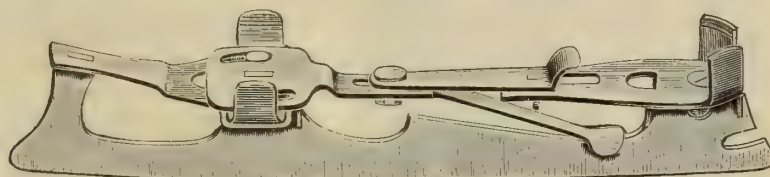


MULLER'S
celebrated
SKATES



If not already received,
write for our

CATALOGUE.



CORN HOOKS Barclay and Eureka

BAND KNIVES

HAY KNIVES Lightning, Heath's

Barclay and Spear Point (L. and T. handle)

CHERRY STONERS Enterprise
(Tinned)

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin

164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

AN ANNOUNCEMENT!

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada, that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

Enameline

THE MODERN STOVE POLISH

PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

ESTABLISHED 1860

INCORPORATED 1895



STOVE BOARDS

Seamless

"CRYSTALIZED" AND "LITHOGRAPHED."

All our Stove Boards are made with seamless corners in one piece up to 34-inches.

Write for Prices.

The Thos. Davidson Mfg. Co., Limited

Makers of "Crescent" Steel Agate Ware.

MONTREAL

Kemp's Blue Flame Oil Stoves

ARE NOT AN EXPERIMENT.

Satisfied Users Testify to their Excellence.

(COPY)

HALIFAX, N.S., May 18th, 1898.

DEAR SIRs,—I have had one of your "Blue Flame" Coal Oil Stoves in daily use for over a month, in the Cooking School here, and can testify to its many excellencies. The construction is so simple that the children have no difficulty in managing it. There is absolutely no odor from the burning oil, and no waste. The oven can be perfectly heated in ten minutes, and then will cook everything that can be cooked in a coal range oven; bread, meat, cakes and pastry. The heat is so steady, that, while things cook thoroughly, there is no danger of burning. There being no attachments, as in a gas stove, the coal oil stoves can be moved at pleasure, and are so neat they might stand in any room.

I am, Yours very truly,

(Signed) HELEN N. BELL,

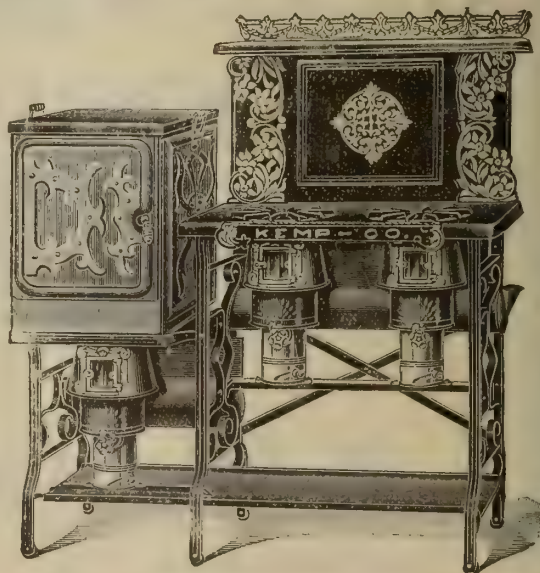
Principal, School of Cookery, Halifax.

To A. M. BELL & Co., Halifax, N.S.

Agents for "Kemp's Blue Flame" Oil Cooking Stoves for Halifax.

Are you ready for the trade in this line?

ALL SIZES AND STYLES IN STOCK.
WICKLESS STOVES SUPPLIED IN 2 AND 3 BURNER.



KEMP MANUFACTURING CO. - Toronto

HARDWARE AND METAL

Vol. X.

MONTREAL AND TORONTO, JULY 23, 1898

No. 30

President,
JOHN BAYNE MacLEAN, Montreal.
Treasurer,
HUGH C. MacLEAN, Toronto.

THE MacLEAN PUBLISHING CO. Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P. E. Island and Newfoundland.

OFFICES :

MONTREAL - - - - Board of Trade Building
Telephone 1255.
TORONTO - - - - 26 Front Street West,
Telephone 2148.
LONDON, ENG. - - - 109 Fleet Street, E. C.,
J. M. McKim.
MANCHESTER, ENG. 18 St. Ann Street,
H. S. Ashburner.
NEW YORK - - - - 14 Irving Place,
M. J. Henry.

Subscription, Canada, \$2.00. Great Britain, \$3.00.

Published every Saturday.

Cable Address { Adscript, London.
Adscript, Canada.

**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

TARDY DELIVERIES OF HEAVY GOODS.

TROUBLE regarding the delivery of iron material from makers in Great Britain has been referred to before this summer.

These complaints are becoming more frequent, if anything, as time progresses, and the fact seems clear that the coal strike is seriously handicapping the British iron-masters.

Large eastern importers state that it has been impossible for them to secure complete delivery of contracts placed for tin and Canada plate and galvanized sheets. In some cases also orders for Canada plates have been refused by makers, because they

could not undertake shipment in the time specified. In this connection also bids for Canada plate of £7 5s. 3d. have been refused by makers for August and September delivery, the makers asking £7 7s. 6d.

A comparison of this price with the figure at which a large portion of the spring shipments were made, viz., £6 15s., shows what an advance there has been in Canada plate at primary markets.

Of course, there is some speculation whether this trouble regarding deliveries will be prolonged to the extent of interfering with fall shipments, and so curtailing the winter supply of the materials specified; but, this contingency is looked upon as very remote.

In any event, stocks, while not excessive in Canada plate, tin plate and galvanized sheets, are fair, though they might be better assorted.

In Montreal, for instance, there are good stocks of 18 x 24 Canada plate 52's, both of ordinary and full polished. The market, however, is bare of 60 sheets, and there are little or no 75 sheets to be had at all. In tin plates there are fairly good stocks, and the same applies to galvanized sheets, though the assortment is not quite proportionate in all sizes. Terne plates are a short stock, and the fact has been accentuated lately by a rather free movement between the trade, necessitated for the fulfillment of customers' orders.

There is an ebb and flow in trade, as well as in tide, and merchants who do not consider these conditions are in danger of being stranded.

THE STOVE SITUATION.

THOSE dealers who had not placed their orders for stoves before the recent advance in prices are naturally somewhat displeased at the turn affairs have taken.

HARDWARE AND METAL would not, however, advise them to defer purchasing in anticipation of lower prices.

It is not probable that there will be a further appreciation in values, but it is possible. At any rate, there is more likely to be an advance than a decline, particularly if the demand continues to exceed the supply. As far as can be learned, however, the bulk of the orders have been booked, for, while there are a good many still coming in, they are largely of a sorting-up nature.

The fact that the stove manufacturers in the United States have also decided to advance their prices tends to impart strength to the Canadian market. The advance in the United States does not, however, go into force till September 1, and what it will be has not yet been announced.

ADVANCE IN GALVANIZED IRON.

The cable announces an advance of 10s. per ton in the price of "Queen's Head" brand of galvanized iron, and some at least of the local jobbers have taken an advantage of the appreciation in the primary market by marking up their quotations 10c., making 28 gauge \$4.45 instead of \$4.35.

The advance, like that which preceded it, is assigned to the increased cost of raw material, which, in turn, is due to the strike of the coal miners in Wales.

TWO POLITICAL ACHIEVEMENTS.

A GOOD THING FOR CANADA.

POSTMASTER-GENERAL MULOCK is entitled to the thanks of the business men of Canada for having secured a penny postal rate on half-ounce letters posted in Canada and destined for the United Kingdom, Newfoundland, Cape Colony or Natal.

It is a boon to them, for it means a reduction of 60 per cent. on the cost of sending letters to the countries enumerated. Coming, too, at a time when the possibilities of trade expansion between Canada and the United Kingdom were never so bright as they are at present it is particularly apropos.

But, aside altogether from the benefits which will accrue to Canadian merchants from a reduction in the rate on ocean postage, there is another respect in which benefit will accrue to the Dominion. We have reference to the advertisement which this country gets.

Since the present Government came into power it has been particularly fortunate in keeping the Dominion well advertised before the British Empire in particular and the world in general.

First there was the Preferential tariff, which was the best advertisement Canada ever had. Then came the abrogation of the German and Belgian treaties, at the instigation of the Dominion Government, and now, through the representations of the Canadian Postmaster-General, aided, no doubt, by Hon. Joseph Chamberlain, Secretary of State for the Colonies, a penny postage between Canada and the United Kingdom is secured.

The Dominion Government has done a great many things it ought not to have done, and left undone a great many things it ought to have done, but no one, except the veriest partizan, can find complaint with what it has done, at least in the way of advertising Canada.

What the Government should now do is to give a two-cent postage rate within the Dominion, and the long-delayed fast steamship service between Canada and Great Britain.

By an Act passed at the last session of the Dominion Parliament, the Government

was empowered to transmit, upon proclamation of the Governor-General, letters within the Dominion at two cents. The Government can, therefore, at any time put the two cent rate into operation. With regard to the fast steamship project, the power was obtained long ago, but the realization of it appears to be as far away as it was two years ago.

A BAD THING FOR CANADA.

NOT for many a long day has a manifesto attracted so much attention as that issued last week by Hon. Arthur Sturgis Hardy, Premier of Ontario.

The conditions which induced the manifesto were extraordinary: The legality of the votes cast by special constables at the last provincial election had been called into question by the Opposition, the result of which, were the courts to sustain the latter's contention, might mean a change in the political complexion of the Government in Ontario.

But, extraordinary as were the conditions, still more extraordinary is the manifesto of Mr. Hardy. As Attorney-General, Mr. Hardy is the especial guardian of the law, and, as such, his office is to see, not how loosely, but how closely, the law is observed.

The question as to whether the votes cast by special constables appointed by the Government are legal no doubt creates an inconvenience, and it certainly is irritating. Then, too, the trouble is not of the Government's own creation: Constables have voted for thirty years without the right of their doing so, until now, being called into question.

But, does the fact that constables sworn in specially for election day purposes have for thirty years voted warrant the Attorney-General going to the extraordinary length of, by retroactive legislation, taking the deciding of the question out of the hands of the Court of Appeal, a disinterested, non-partizan body, and submitting it to an interested and partizan body with the avowed purpose of making legal the votes of the special constables cast on March 1 last?

We think not. And the business men of this country think not,

HARDWARE AND METAL is not a political journal. It is a trade journal; but justice and business are so nearly synonymous terms, that it feels it is its duty to "speak out in meetin' '" when a question of such grave importance is at issue.

And the question at issue is indeed a grave one. Concern for the right of special constables to vote is only a subterfuge. The real concern is the retention of power. No one will deny that.

If the Conservative party were in power it is quite possible it might have had no qualms of conscience about doing the very thing the Hardy Administration now proposes to do, for political morality is about the same in one party as it is in another. But, even if the Opposition was prepared to go the Government one better in political immorality, it is no excuse for the retrogressive, vicious step.

It is to be hoped the Government will change its plans. The question at issue has been submitted to the Court of Appeal, and slow as that body appears to be in considering it, there it should be allowed to remain. In pursuing its purpose the Government will be creating a bad precedent in Canadian history. And a precedent too which means a lessening of that respect for authority, as exemplified in the courts, upon which we as Canadians pride ourselves. No party can afford to do this, even as the price of power.

Office is, no doubt, valuable, but principle is more so, or should be, and it is better to sit in the shades of Opposition for a time than, by doing ill, retain power, and thereby create a blot which time will never efface.

To business men the incident is another proof of the unscrupulousness of politicians, and another argument for their keeping free from the entanglements of either party.

CORDAGE LOWER IN MONTREAL.

The Montreal market for cordage has at last followed the lead of those in the west, the factories this week noting a decline of $1\frac{3}{4}$ to $2\frac{1}{2}$ c., according to quantity.

At the factory $9\frac{3}{4}$ c. is now asked for sisal and 12c. for manila. Competition from foreign rope assisted naturally in causing the Montreal price to follow those up west.

STARTING IRON SMELTERS.

PROMOTERS are busy these days trying to establish iron smelting plants at several points in Canada which are now without the same. A good deal of what these promoters say in favor of such industries is logical, but a great deal of what they say is likely to mislead those who are not conversant with the facts.

HARDWARE AND METAL has one instance particularly in mind at the moment. An effort is being made to start a smelter at a point in Ontario in juxtaposition to extensive deposits of ore, but in the glowing pictures which the promoters are painting nothing is said of the fact that, in order to make a good merchantable iron, ore would have to be brought from other points to mix with that of local production. It is important that this should be known, for it should figure in the cost of production. It is obvious this item of cost ought to be included when items are admitted showing saving in freight on local ores, when comparison is being made with smelters which bring their ore as well as their coal from a distance.

Let us by all means develop our iron resources, but let there be sound and not unsound arguments used when endeavoring to induce capitalists to interest themselves in the matter.

CHISELS ARE DEARER.

There is a slight advance in the price of socket, firmer and framing chisels, the discount being reduced to 75 per cent. It was formerly 77½ per cent.

IT PAYS TO BE CONCERNED.

Young men who have no concern for the welfare of their employers have not enough concern in regard to their own affairs to make their own life a success.

A clerk, behind either the counter or the desk, is only of value to his employer when he exerts himself in behalf of that employer, and the measure of his value is the measure of his exertion.

Therefore, the more a young man does for his employer directly, the more he is doing for himself indirectly.

By honest effort—and honest effort is doing all he can—the young man not only becomes entitled to higher wages, but he is at the same time acquiring more knowledge and skill, which shall fit him the better to

carry on business on his own account when opportunity offers.

It pays to be concerned about your employer's business; it does not pay to be unconcerned.

RAILWAY EARNINGS IN CANADA.

THE gross earnings of the two great railway systems in Canada for the first six months of the present year are of a most gratifying character, reflecting, as they do, the expansion of trade in the country.

The earnings of the Canadian Pacific railway are particularly gratifying, being \$11,581,909, against \$9,712,694 during the corresponding six months of 1897, an increase of over 19 per cent. The earnings of the Grand Trunk during the six months were \$11,379,614, against \$10,428,976 in 1897, an increase of over 9 per cent.

The Klondyke trade and the heavy grain movements explain in part the large increase in the earnings of the Canadian Pacific road.

A FORTY-FOUR MILLION INCREASE.

Canada's foreign trade for the fiscal year ending June 30 last is the most remarkable in the history of the country.

The aggregate trade was \$289,536,996, an increase of \$44,059,852.

The exports were \$158,726,801, an increase of \$24,723,678.

The imports were \$130,630,195, an increase of \$19,336,174.

Aggregate trade and export trade were larger than during any previous year in the history of the country, and the import trade has only been exceeded once.

It is worthy of note that the exports alone of the year just ended exceed by over \$3,000,000 the aggregate trade—exports and imports combined—of the Dominion nineteen years ago.

The prospects for Canada to-day are undoubtedly the brightest in her history.

ROPE CHEAPER IN TORONTO.

Toronto jobbers this week note a material change in some descriptions of rope, the base price of sisal now being 10¼c. and of Manila 13c.

This is a decline of ⅛c. per lb. in Manila and 1⅜c. per lb. in sisal.

Lath yarn has also been reduced, being quoted at 8⅞c., instead of 10¼c. per lb.

DROPS FROM THE EDITOR'S PEN.

AN angry customer and an angry merchant make one row, and one row will sometimes destroy a trade connection of many years.

Promptness is a good preventive for business leaks.

He who cannot keep his books cannot keep his business.

It is hard to have to work hard, but it is harder still to have no work.

This hot weather makes men feel stale whatever else it may freshen.

Self-denial is included in the ethics of business as well as in the rules of religion.

Politicians seem to be getting worse. It is to be hoped business men are getting better as voters.

If a business man cannot get along without cutting prices it is certain he cannot get along by cutting them.

When a merchant does not display his wares in his window he is displaying his own business incapacity.

There may be some rogues among merchants, but when a merchant robs it is himself that is the victim.

If, peradventure, there is a man who "knows it all," he is the last man in the world who should know it.

It usually takes dollars to spend a holiday, but the health it gives in return makes the investment a good one.

Character, as well as goods, is necessary in business, but see that your character, as well as your goods, is good.

That which brings success to one man in business may bring ruin to others. To be successful in business a man must do his own piloting.

There is one thing about the female clerk: Just as the merchant thinks he has her it is quite probable that some young fellow may come along and take her to himself.

THE WINNIPEG INDUSTRIAL EXHIBITION.

THE Winnipeg Industrial Exhibition for 1898 was closed on Saturday, and will go on record as the most successful in the history of the city, and this is not faint praise by any means.

When last year, after a three days' continuous rain, the directors managed to snatch victory from defeat and come out with a good surplus, everybody felt that they deserved to have fine weather this season, and, sure enough, they had it. The whole week, though excessively warm, was without rain, with the exception of a light shower early Wednesday morning.

The exhibit in all lines was good, the attractions were well managed and acceptable. The railway companies had done their share nobly in the matter of cheap rates, and a number of excursions for a day were run in from various parts of the Province, and on Friday an excursion was run in from points in Dakotas and Minnesota. This excursion came in over the Northern Pacific and Great Northern, was composed of 62 passenger coaches and brought in over 7,000 people.

Union Jacks and star spangled banners floated together from many points of vantage, and as almost every third person had on a badge or carried a gay fan, the effect was extremely festive. Many of the American visitors will remain for some days.

It is too early yet to estimate the exact number who visited the fair, or the amount made by the directors, but the fact that 17,000 people paid entrance fees to the grounds and 9,000 to the grand stand on Friday alone gives some idea of the success of the undertaking. There are so many features that are interesting to readers of *HARDWARE AND METAL* that it is difficult to know where to begin or end.

The stock exhibit is, of course, one of the chief features of Manitoba exhibitions, and this year the cattle shown were ahead of anything before exhibited, though the number was not up to that of last year, as, owing to the extreme heat, some of those who made entries were afterwards unable to send in their stock. The cattle shown by Premier Greenway attracted a great deal of attention, and were winners of numerous prizes. The number and beauty of the Jersey cattle was noticeable from the fact that for many years they were considered too tender for this climate. The exhibit of sheep was small, but many of the individual classes were finely represented. In hogs, the number of exhibits was very large and the standard very high.

The dairy building was enlarged this year, an addition having been made for the display of dairy machinery, which was

shown fully set up and in motion. In this building was also a full line of dairy supplies. In the butter and cheese department the number of exhibits was 148 of butter and 40 of cheese. A much larger number of entries had been received prior to the exhibition, but, as in the case of the cattle, many would not send their exhibits on account of the extreme heat. For instance, 18 creameries made entries, but exhibits were received from only 9. The 20-lb. package of farm dairy seemed a favorite class, as there were 24 exhibits. Robert Scott, of Shoal Lake, made a special display of 1, 2, 5 and 10-lb. tins of butter for export to tropical climates. The cream from which this butter is made is all pasteurized. There was also an exhibit of condensed milk, made by the La Broderic factory in Manitoba. Prof. Farrington, of Madison, Wis., who acted as judge for this section, pronounced the exhibit a very good one. The average score was 90 to 92, with some running over 95. The cheese was very fine in both flavor and texture.

In the matter of fruits, the display was small, owing to the early date of the fair. There was, however, a fine exhibit of vegetables in the different classes, and also a large quantity of grain, the rule being that wheat cut last season shall be shown at this season's exhibition.

The main building was devoted to the exhibits of manufactured goods.

EXCELLENT IRON ORE PROPERTIES.

A press despatch from Kingston, Ont., says: "Mr. Watson, Hamilton Blast Furnace Company, has returned from a trip on the Kingston and Pembroke railway, where he was looking over iron ore lands. He says there are some excellent properties in that district, and they will be opened up by his company. The ore will be brought to Kingston and shipped west by vessel."

THE SCARCITY OF TIN ORE.

The fact that tin of all the metals in common use is only sparingly distributed throughout the world, is again called attention to by an Australian geologist, Mr. B. J. Skertchley, who has published a monograph upon the subject. While the known gold fields of the world cover more than 1,500,000 square miles, the tin fields have an area of less than 12,500 square miles. Thus, for every square mile of tin ground there are 132 square miles of gold-bearing country. There are seven tin districts in Europe, producing about 8,300 tons yearly, of which the Cornish mines yield about 8,000 tons. Asia has two tin areas—Hunan, in China, estimated by some of the best authorities to produce 10,000 to 20,000 tons a year, but proved by official figures to yield less than 2,500 tons, and the Straits Settle-

ments and adjacent principalities, yielding 58,000 tons yearly, the richest yield in the world. Africa has no known tin mine; North America no payable mine; South America only one tin area, Bolivia and Peru, yielding less than 4,000 tons a year, and Australasia, the youngest, contributes about 6,000 tons a year.

IRON PRODUCTION DECREASING.

The Iron Age in its monthly review of the pig iron production says: "Our blast furnace returns show that June brought a further falling off in the production of pig iron, the industry entering the second half of the year with a weekly output of 216,000 tons. Stocks of coke and anthracite pig show a falling off of about 17,000 tons, so that the merchant furnaces seem at last to be adjusting themselves to present conditions.

"The weekly capacity of the furnaces in blast on July 1, compares as follows with that of preceding periods:

	Furnaces in Blast.	Capacity Per Week. Gross tons.
July 1, 1898.....	185	216,311
June 1.....	190	225,311
May 1.....	194	234,163
April 1.....	194	233,339
March 1.....	193	234,430
February 1.....	184	228,338
January 1.....	188	226,608
December 1, 1897.....	191	226,024
November 1.....	183	213,159
October 1.....	171	200,128
September 1.....	161	185,506
August 1.....	152	165,378
July 1.....	145	164,064
June 1.....	146	168,380
May 1.....	146	170,528
April 1.....	153	173,279
March 1.....	156	169,086
February 1.....	154	162,959
January 1.....	154	159,720
December 1, 1896.....	147	142,278
November 1.....	132	124,077
October 1.....	130	112,782
September 1.....	145	129,500
August 1.....	173	157,078
July 1.....	191	180,532
June 1.....	194	182,220
May 1.....	196	189,398
April 1.....	200	187,451
March 1.....	207	189,583
February 1.....	215	198,509
January 1.....	241	207,431

"The position of stocks sold and unsold, as reported to us July 1, was as follows, the same furnaces being represented as in former months. This does not include the holdings of the steel works producing their own iron:

Stocks—	Apr. 1.	May 1.	June 1.	July 1.
Anthracite & coke.....	678,492	696,549	700,965	683,537
Charcoal.....	139,516	144,975	122,317	121,774
Totals.....	818,008	841,524	823,382	805,311

WIRE NAILS TACKS WIRE

Prompt Shipments

The **ONTARIO TACK CO.**
Limited
HAMILTON, ONT.

SOME CRANKS KNOWN TO HARDWAREMEN.

THERE are several different sorts of cranks known to men in the hardware trade, writes "Enterprise" in Iron Age. They're generally such chronic cranks that there's no possibility of mistaking them. There are several different sorts of cranks in general. There are good, bad and in-different cranks. The bad crank, the one often styled "chronic kicker," is the one to be dealt with now. There's one thing certain—the crank's money is just as good as that of anyone else. The great trouble is to get it once and then stand any chance of getting it again. These persons must be dealt with just as honorably and with much more diplomacy than any other people on earth.

THE BLACKSMITHS.

There's scarcely a settlement in the country big enough to possess a blacksmith wherein he is not known as a crank among the hardwaremen. This is not the blacksmith's fault entirely. The hardwaremen have helped to make him what he is. He is generally a good natured crank. He is only cranky so far as the welfare of his own interests are concerned. He can't be blamed for that. The people who sell blacksmiths' hardware have done much to make this class of cranks a great thorn in the side of retail hardwaremen. The retail hardwaremen themselves have had a hand in it.

AT WHOLESALE PRICES.

In the first place, many hardware houses pretending to be first-class jobbers have sold to them at wholesale for prices as low or lower than they would allow to the retail merchant. The blacksmiths now expect to buy in small quantities of the local retailer at the same rates. Of course, this a business impossibility, and when the point is explained to an intelligent blacksmith he is usually willing to pay a little higher rate for the privilege of buying in smaller quantities. These same jobbers (?) send out catalogues to this trade, and the blacksmith asks the retailer to sell his goods at prices quoted therein. He doesn't stop to consider that there may be some difference in quality that the catalogue does not explain.

CAREFUL HANDLING.

Many of these detrimental features can be overcome by the retailer if he will take the trouble to explain these points. The blacksmith must be handled carefully. He doesn't pay to become angry because he demands lower prices. He believes that he has good reasons for his demands. He must be shown that he has not. If his demands anger the merchant, he has all the more reason to believe that he is right. He must be handled with gloves, as it were.

THERE ARE STRONG REASONS

Why you should handle

THE SHERWIN-WILLIAMS PAINTS

One is that by so doing you can sell more paint and make more money out of it than you ever did before. There is no doubt about that. There have been cases where this did not result. But the fault was not with the paint or our methods. It was with the man who sold it.

If you are an energetic, pushing storekeeper you can't help but have success with **S.-W. P.**

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers,

Walter H. Cottingham
Managing Director
Canadian Dept.

**CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON**

BLACKSMITHS' DISCOUNTS.

Now to the retailer's part in the making of the crank. It was largely due to the retailer's lack of care in handling him that he became "chronic." It is only recently that the retailer has come to realize the importance of some of the principles mentioned in dealing with this class of men. Even now some retailers get all that the customers will give for this class of goods. There's no regularity in prices. There are no blacksmiths' discounts. This is wrong. A price should be made to blacksmiths and should be the same to all alike. If the blacksmith insists on lower prices when this plan is in action, there is something wrong somewhere. The goods may be marked too high. The buyer may be purchasing in too high a market, or the blacksmith may be figuring on different quality. Some blacksmiths will ask for discounts given in old lists, thinking that they are the latest. These things should be hunted out and corrected.

THE GUN CRANK.

Hardwaremen, who handle guns and ammunition, have another class of cranks to deal with. They're the gun cranks. If possible they are worse than the blacksmiths. They are self admitted cranks. They take pride in the admission. They

differ somewhat from the blacksmiths. They are not so much cranks for their own interests as they are to please their whimsical notions. It's more a matter of taste and pleasure than of business with them.

ERRATIC PERSONAGES.

But their money is good and their trade is worth having. The point with the retailer is not so much to get it as to hold it. They require a lot of attention and many special orders. To please any great number, a large stock must be carried. One of these persons admitted that he had not used the same brand of powder at any two shoots during the past six months. His colleagues told him that he could not win success in that way, but he did not care. He wished to try the different powders. He had not at that time decided which he liked best. It fell to the lot of a local hardwareman to please these whims. It was thus that his trade was held, and in the same manner the trade of the whole gun club.

AN IMPROVED HARDWARE STORE.

Mr. T. R. White, of Almonte, has made quite an improvement to his place of business. In place of having goods lying on the shelves in cardboard boxes and the packages they came in, Mr. White has made boxes with galvanized iron sides and half-inch hardwood front and back. These are all in uniform order. On the outside of each box is fastened a sample of what it contains.

SUMMER GOODS.

At all times personal comfort is an important consideration, though in summer this desire is heightened more than in the winter, if such a thing were possible, remarks Stove and Hardware Reporter. Any means by which arduous labor may be lightened and the temperature reduced are looked upon with much favor, and in proportion to their usefulness receive more or less attention. There are many lines of goods in hardware stocks which can be made to subserve these purposes in several ways. It is also within the power of all progressive merchants to secure some special lines which are appropriate to the season and will prove good sellers.

There is no reason why the sale of goods which provide comfort should be left too much to the ubiquitous and omnipresent dry goods stores. Because they sell awnings, shades for porches and many things like that, it need not exclude the ambitious hardware dealer from securing and offering similar goods for sale, any more than that the sale of stoves on the part of some department stores should influence him to cease keeping them. In business the tit for tat proceeding, though it seems rather childish, is excusable as long as no one chooses to regard another's rights, interests or feelings in trade matters. It is, indeed, difficult for one person to treat another with consideration when his kindness is not appreciated. In following out this policy the hardware store would gradually be metamorphosed into a vast department store.

Difficulty might be found in predicting at exactly what its expansion of lines would stop, for with the rapid encroachment of the dry goods houses on hardware stocks the right of retaliation would finally culminate in the acquisition of dry goods in the enlargement of stocks of hardware stores. We fear, however, that we have digressed from the theme in question and have wandered off into remote possibilities which are not likely to occur very soon or rapidly, as only future developments can determine the necessity for such radical changes. It is quite generally known that the motive which influences many people to buy hardware at department stores is the convenience in obtaining it at the same place where other purchases are made.

This desire to oblige people is indulged in beneficially by progressive stores, though somewhat disastrously to others who make specialties of certain lines and are less obliging to their customers. However it may all end, the object in view is to make the most of the present opportunity which is yours, and to be prepared for any trials which the future may bring. Seasonable goods at reasonable prices which are adapt-

ed to the pocketbook of the average customer will invariably prove to be attractive trade winners. Dealers sometimes make it a point to take advantage of rates made at this time of the year by jobbing houses, and make some sales which bring profit to the store as well as enliven things by an increase in the number of customers. Otherwise the enforced idleness engendered by a lack of effort to increase business will cultivate indolence in the clerks and accentuate their previously existing tendency to be lackadaisical and half-hearted in waiting on people.

The articles intended for summer use, the quality and style of which may vary in different localities, serve also in many cases to dispose of goods which are left in stock from the early season.

PATENT SAFETY EXTINGUISHING BURNER.

The Ontario Lantern Co., Hamilton, Ont., manufacturer of high grade lanterns, lamps, and lamp burners, call the attention of the trade generally to the fact that it is now in a position to supply the patent "Safety Extinguishing Burner" with the "Royal Cold Blast" lanterns. This company has been manufacturing lamp burners with this attachment since last January, but it is only recently that it has perfected the "Safety Self Extinguishing Burner" adapted for tubular lanterns. The company claims that the self extinguishing burner is even more valuable for a lantern than for a

lamp, possessing many advantages over and above the ordinary lantern burner. Catalogues and all information regarding the cold blast lantern with safety extinguishing burners, will be furnished the trade on application.

JUDICIOUS USE OF TIME.

"Many persons seeing me so much engaged in active life," said Edward Bulwer Lytton, "and as much about the world as if I had never been a student, have said to me, 'When do you get time to write all your books? How on earth do you contrive to do so much work?' I shall surprise you by the answer I made. The answer is this—'I contrive to do so much work by never doing too much at a time.' A man to get through work well must not overwork himself; or, if he do too much to-day, the reaction of fatigue will come, and he will be obliged to do little to-morrow. Now, since I began really and earnestly to study, which was not till I had left college, and was actually in the world, I may perhaps say that I have gone through as large a course of general reading as most men of my time. I have traveled much, and I have seen much; I have mixed much in politics, and in the various businesses of life; and, in addition to this, I have published somewhere about sixty volumes, some upon subjects requiring much special research. And what time do you think, as a general rule, I have devoted to study, to reading and writing? Not more than three hours a day; and, when Parliament is sitting, not always that. But then, during these three hours, I have given my whole attention to what I was about."—Pushing to the Front.

GILBERTSON'S

"COMET"

BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and **cost less.**

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture **all their own Steel in their own Steel Works**, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. **Cost** no more than brands not nearly as well coated, or of equal quality.

BRANDS:

"Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . . 22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

WHOLESALE
MERCHANTS

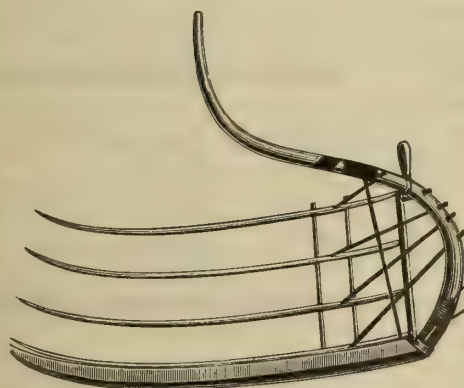
37 Front Street West

TORONTO

Rixford Harvest Tools

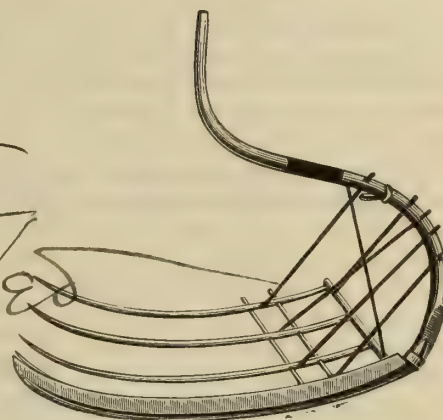
White Mountain Ice Cream Freezers---all Sizes.

Screen Windows, Screen Doors, Fly Traps, Hammocks, Etc.



HALF MULLAY.

*Returned
July 28/90*



FULL MULLAY.



Ring and Wedge.



Loop and Solid Plate.



Pat. Swing Socket.



Bush Double Ring.

Hay Forks
Straw Forks
Barley Forks
Manure Forks
Potato Forks
Corn Knives

Garden Hoes
Field Hoes
Weed Cutters
Post Hole Spoons
Reaping Hooks

Hoe Handles
Fork Handles
Rake Handles
D. Tops
Ferrules

Scythes, Snaths, Cradles, Scythe Stones,
Hay Rakes, Etc.

H. S. HOWLAND, SONS & CO.

WHAT CONSTITUTES A JOBBER ?

THIS is a question of much practical importance, in view of the fact that many manufacturers attempt to regulate their prices, making a distinction between the jobbing and the retail trade. How to do this satisfactorily is obviously a difficult matter. Whether the jobbers in the country number 100, 500 or 1,000 would depend upon the principle adopted in classifying them. If all the concerns doing some jobbing business in connection with their retail business were included the number would be much larger than the last figure. The subject is one which can be looked at in many ways, and there is naturally much diversity in the conclusions reached.

The letter which we print below is from a house in Texas, and is suggested by the controversy in that State in regard to freight rates. Our correspondent's letter therefore has a double interest as discussing the question as to what constitutes a jobber, and also from its relation to the question in regard to freights which is now an engrossing one in different sections of the country :

"One of the greatest questions to be solved and settled by the manufacturer is what constitutes a jobber. This same question was agitated at the meeting of the Southern Hardware Jobbers' Association, recently held at Old Point Comfort, reference being made to it in the paper read by James D. Foot, which was printed in The Iron Age of June 23.

"Until this question is settled so as to regulate upon what basis the manufacturer can treat the jobber as to price (bearing in mind at the same time that the retailer must be treated fairly), harmony will not prevail among the jobbers and retailers in many sections.

"The only fair way to designate what constitutes a jobber would be to class him on a basis of annual sales, and to make him prices accordingly. By this means no one dealer in the same class would have any advantage. The class basis I would suggest as follows :

1st Class—Wholesale dealers who sell in original packages only, and whose annual sales must not be less than \$150,000 the previous year.

2nd Class—Wholesale dealers who sell in original packages only, and whose annual sales must not be less than \$100,000 the previous year.

3rd Class—Wholesale dealers who sell in original packages only, and whose annual sales must not be less than \$75,000 the previous year.

4th Class—Wholesale dealers who sell in original packages only, and whose annual sales must not be less than \$50,000 the previous year.

5th Class—Wholesale and retail dealers whose annual sales are not less than \$100,000 for the previous year.

6th Class—Wholesale and retail dealers whose annual sales are not less than \$75,000 for the previous year.

7th Class—Large retail dealers whose annual sales are not less than \$50,000 for the previous year.

8th Class—Retail dealers whose annual sales are not less than \$25,000 for the previous year.

"The above schedule is designed for dealers who handle hardware, tinware, stoves and ranges, sheet and corrugated iron, tin and terne plate, bar iron and steel, steam pipe and fittings, wire and nails, crockery and glassware, wooden ware, wagon woods, timbers, and supplies used by blacksmiths, and agricultural implements, wagons, buggies, and carriages, paints, oils, varnishes and glass.

"This would cover the various lines of goods handled generally by hardware and implement houses all over the country.

"And I can truthfully say, without fear of contradiction, that in the State of Texas today, there is not in existence one strictly wholesale hardware dealer."—Iron Age.

WINDOW CARDS.

Nothing else attracts the attention of passers-by in a more effective manner than unique and original window cards, says Stoves and Hardware Reporter. It can be made a clever and amusing method by which any special offers or bargains may be made known to the public. If the cards are amusing it is all the better ; innumerable puns and witticisms may be indulged in, and, at the same time, subtle advertisements can be introduced into them. In hardware, especially that which refers to the kitchen, any mention of good things to eat in connection with them immediately obtains notice and arouses interest. In this manner housekeepers may be reminded of some necessary utensil which they should have, or else the lord and master may frequently be aroused to an unwonted enthusiasm in supplying some extra vessels in which to cook or serve his much anticipated steaks and vegetables. Window cards are a cheap and easy way of catching the eye of passers-by ; but they can also be made very profitable.

NO FIRE IN THE DAVIDSON WORKS.

There appears to have been a report circulated to the effect that The Thomas Davidson Mfg. Co., Limited, Montreal, had sustained damage to its works by fire recently, and the company has received enquiries from different parts of the country from customers, asking if shipments would be delayed. The Thos. Davidson Mfg. Co. has not had any fire, and assures us that it is in a position to attend to orders promptly. It is, however, making extensive additions and alterations to its premises, which may have led to this rumor.

Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

PICTURE CORDS, SHADE CORDS, PICTURE and SHADE HARDWARE, SOLID BRAIDED CORDAGE, BICYCLE DRESS GUARD LACING.

.....Ask your jobber for our goods

THE OSSAWAN MILLS CO.

Norwich, Conn., U. S. A.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent,
April 3 1897.

With Plated Rust Proof and Guarded Spring.
"The Latest and Best." Sold by all Leading
Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety,
Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and
Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.

Agent for : Spear & Jackson, Sheffield, saws, tools, etc.
H. Coghill & Sons, Newcastle, borax, etc. ; Starr Mfg. Co.
Halifax, N.S., skates ; Atkinson Bros., Sheffield, cutlery.

Wholesale trade only.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of
Tinplate, Tinned Sheets, Terne Plates, Canada Plates Gal-
vanized Sheets, Imitation Russia Sheets Black Sheets—Iron
and Steel—Hoops and Bands, Proved Coil Chain Brass and
Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc,

The Fork Handle
Season is now on.

We have a very heavy
stock—can ship promptly,
and supply the best. Kindly
write us for prices and secure sam-
ples before booking your orders for Axe
Handles for Fall Shipment. We will be
in a position to supply thoroughly sea-
soned goods, and of the finest quality of
second growth hickory. We make a
specialty of

"Hand Shaved"
Octagon Axe Handles
(Made by Indians)

being the largest dealers in Canada in
this line. Can give exceptional value in
this handle for fall business.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.

The Canada Paint Co. Limited.

MIDSUMMER

✻ 1898 ✻



Presents acknowledgments of, and expresses thanks for,
most liberal support during the Spring season.

Head Office and Works: **572 WILLIAM ST., MONTREAL.**
Branch Office and Sample Room: **90 BAY ST., TORONTO.**

Branch Factories

JANION WHARF, VICTORIA, B.C.
GRAPHITE MINES, NEW BRUNSWICK.

LESLIE STREET, TORONTO ONT.
OXIDE MINES and WORKS, ST. MALO, Q.

THE SPRING TRADE

THE INCREASE in our turn-over for the four months—March, April, May and June—as compared with 1897, amounts to upwards of SEVENTY CAR LOADS.

Working days in these months - **102**

Increased trade per working day - **7 tons**

Including only our DIRECT SALES to our own clients, and not including sales to other manufacturers.

These figures represent by themselves a volume of business equal to the entire turn-over of many pretentious paint manufacturing concerns.

The machinery and appliances added during last fall and winter have not been quite equal to the increased demands upon us. Further extension of our manufacturing capacity will be undertaken in good time for next season.

THE FUTURE

MUST be read in the light of the past and present.

The responsibility rests upon us of pursuing with undiminished energy the principles on which our business has been built up, and so ensure the continued support of our many friends.

We distribute over A MILLION PACKAGES every year, and attribute much of our success in the past, and base our expectations of the future, on the fact that every one of these is a silent advertisement.

We manufacture from the bottom up, saving intermediate profit and Customs' duties, and will continue to take good care to keep our qualities and values in advance of any goods offered in competition.

MEMO

Our Montreal Works possess many points of great interest, and the friends who have favored us with a visit have been good enough to express their appreciation. Our clients are invited to devote a couple of hours to go over these Works when in the city.

MOTIVE POWER—The Works are driven by two turbines from Lachine Canal.

LIGHTING—They are lighted by the Company's dynamos—Arc and Incandescent.

FIRE PROTECTION—Sprinkler Equipment of 1,100 jets, fire reels, and other appliances.

MIDDLE GRINDING FLOOR—While every department possesses its own peculiar interest, this room has proved most interesting to visitors, as showing upwards of fifty paint-making machines at one view.

White Lead Mill Room, Dry Paint Factory, Chemical Color Dye House,
Varnish and Japan Factory, Acid Factory, Laboratory,
Packing Rooms, Printing Room, Warehouses, Offices, Etc.

THE CANADA PAINT CO., Limited.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

HARDWARE TRADE IN THE U.S.

MERCHANTS and manufacturers are occupied in maturing their plans and completing their arrangements for the fall business. There is a marked disposition on the part of manufacturers to be in readiness for a good demand, and they are filling their warehouses with a more confident and hopeful feeling than for some time. There is much less apprehension of accumulating too many goods, because the conviction is very general that there must be a large business in the near future. This is expected to come as the result of natural and legitimate causes, and not under the stimulus of advancing prices, an influence which has so many times had a temporary and unfortunate effect on the market. It is hoped by many that, with a large and prosperous business, both at home and abroad, the market values of goods will respond, and that somewhat higher prices in certain leading lines will result. The general business conditions are apparently favorable for an active trade. The country is still feeling the effect of the large and profitable crops of last year, and, if the prospect of a large yield the present season is in good measure realized, it will still further strengthen the position of the trade directly concerned and have an excellent influence in many directions. In the details of the market there is little new. Prices remain at about the level they have maintained for so long a time. Manufacturers are not pushing sales as much as they frequently do. There is, however, an evident quickening in the demand, and some orders are being placed. This is the case in both heavy and shelf hardware. The cheerful tone which prevails is a marked feature of the situation.—Iron Age.

BIG ORDERS FOR IRON.

A prominent New York commission firm is authority for the following: The Tennessee Coal, Iron and Railroad Co., the largest sellers of foundry and forge iron in the world, has 266,000 tons of unfilled orders on its books, over 72 per cent. of its make this year. It is said that the next largest, Birmingham interest, is nearly as well provided. The largest northern maker of foundry iron, Tonawanda, has 80 per cent. of its output for the remainder of the year sold.

NUMEROUS ORDERS FROM ENGLAND.

The number of orders received in New York from England by last mail is said, by the N. Y. Journal of Commerce, to be much more satisfactory in the way of machinery contracts than at any time since early in June. The activity in engineering circles in England is responsible for the

demand, and, according to a representative firm in Liberty street catering extensively to British trade through a London branch, a very active revival of business may be anticipated by the first proximo. The firm in question manufacture iron-working tools, and carry a considerable stock in their warehouse in London. Their representative in his last communication speaks encouragingly of the outlook for the machinery trade in general, and adds that the shipments recently from this country of knitting machinery are increasing.

MANUFACTURED IRON AND STEEL.

There is nothing of special note to record in the position of the manufactured iron and steel industries. Work continues plentiful, and prices all round are well maintained. Makers of finished iron are much disturbed about the Compensation Act, which has now come into operation, and there is a good deal of uncertainty felt as to what its effects, both direct and indirect, are likely to be. Partly on account of this uncertainty manufacturers have been lately disposed to hold aloof from fresh business, but, with the turn of the quarter, this temporary hesitation is almost certain to disappear. The report has been current—though it is not confirmed—that the insurance companies have resolved to fight every case of claims made against them for six months in order to arrive at a clear understanding of the provisions of the Act. An Act which requires its provisions interpreting wholesale in such a manner as this can scarcely be regarded as a serious piece of legislation, and it is quite likely that it will be found unworkable, and have to be withdrawn. Meantime, however, manufacturers will have to put up with it. Reports from Scotland speak in gratifying terms of the progress which has been made during the half-year with the arrears of work. An indication of the briskness which has prevailed is afforded by the shipbuilding returns, no less than 51,000 tons having left the ways during June alone, while the work in hand is estimated at 417,000 tons. No important addition to this figure has been made during the week, but builders are by no means disappointed, as their energies are all directed towards obtaining their supplies of material up to time, and the difficulty of doing this causes a good deal of grumbling. Engineers, both locomotive and marine, are full of orders, and have work in hand for some months to come, whilst so extensive has been the booking of orders for steel that makers have their output engaged for at least nine

months ahead, although they are working double shifts to keep pace with the call. The same position also obtains in the English steel-making districts. Railmakers are busy, but have not secured any important orders during the week.—Ironmonger, July 9.

COPPER IN GREAT BRITAIN.

Speculators have been fairly busy during the week, and several thousand tons have changed hands at advancing prices. American producers are said to have done a good deal of selling, but they are not now willing to go on any further, except at advanced prices. The continental demand for consumption has been excellent, but disappointment continues to be expressed at the unsatisfactory nature of the home requirements.—Ironmonger, July 9.

NEW YORK MARKETS.

PIG TIN—There was little or nothing more than ordinary trade demand in this market, but values improved slightly under the influence of slightly firmer cable advices and absence of anywise extensive offerings here for prompt or future delivery. Spot stock realized 15.60 to 15.65c. net for prompt delivery and 15.55 to 15.60 ex next vessel due.

COPPER—The market has been quiet since the facts came out regarding the Calumet & Heckla Co. contracts. It is no difficult matter now to buy at 11½c., and that bids of ⅓ to ¼c. less would have been accepted for deliveries during the latter part of the year. Electrolytic weakened to about 11¼ to 11⅓c., and prime casting stock went at about the same figures.

PIG LEAD—A moderate business only was reported, and prices underwent no change of importance. Some business passed at 3.95 to 3.97½c., which prices represented the lowest of the day, but at the close 4c. was generally asked.

SPELTER—Sales are running light in this quarter at present, and orders run chiefly on carload or smaller lots. Prices are rather uncertain and on the basis of about 4½ to 4⅝c. for delivery in this city or vicinity. London cables were unchanged, quoting £20 7s. 6d. for good merchant brands.

ANTIMONY—The market remains quiet, but prices are firm at 9 to 9½c., according to brand and quantity.

TIN PLATE—A quiet market is still reported, and the undertone of the market is still rather weak.

IRON AND STEEL—Except in ordinary routine jobbing way there is nothing doing, and prices for both crude and finished products remain unchanged.—N.Y. Journal of Commerce, July 20.

EXCELSIOR—

Potato Bug Killer

SANDERSON PEARCY & CO.

TORONTO

PROMPT ACTIONS.

"HOW," asked a man of Sir Walter Raleigh, "do you accomplish so much, and in so short a time?" "When I have anything to do, I go and do it," was the reply. The man who always acts promptly, even if he makes occasional mistakes, will succeed when a procrastinator will fail—even if he has the better judgment.

When asked how he managed to accomplish so much work, and at the same time attend to his social duties, a Frenchman replied, "I do it simply by never postponing till to-morrow what should be done to-day." It was said of an unsuccessful public man that he used to reverse this process, his favorite maxim being "never to do to-day what might be postponed till to-morrow." How many people have dawdled away their success and allowed companions and relatives to steal it away five minutes at a time. Amos Lawrence's motto was, "Business before friends."

"'To-morrow,' didst thou say?" asked Cotton. "Go to—I will not hear of it. To-morrow! 'tis a sharper who stakes his penury against thy plenty—who takes thy ready cash and pays thee naught but wishes, hopes, and promises, the currency of idiots. To-morrow! it is a period nowhere to be found in all the hoary registers of time, unless perchance in the fool's calen-

dar. Wisdom disclaims the word, nor holds society with those that own it. 'Tis fancy's child, and folly is its father; wrought of such stuffs as dreams are; and baseless as the fantastic visions of the evening." Oh, how many a wreck on the road to success could say: "I have spent all my life in pursuit of to-morrow, being assured that to-morrow has some vast benefit or other in store for me."

"But his resolutions remained unshaken," Charles Reade continues, in his story of Noah Skinner, the defaulting clerk, who had been overcome by a sleepy languor after deciding to make restitution; "by and bye, waking up from a sort of heavy doze, he took, as it were, a last look at the receipts, and murmured, 'My head, how heavy it feels!' But presently he roused himself, full of his penitent resolutions, and murmured again, brokenly, 'I'll take it to—Pembroke—street to—morrow; to—morrow.' The morrow found him, and so did the detectives, dead."

"To-morrow?" It is the devil's motto. All history is strewn with its brilliant victims, the wrecks of half-finished plans and unexecuted resolutions. It is the favorite refuge of sloth and incompetency.

Very few people recognize the hour when laziness begins to set it. Some people it attacks after dinner, some after lunch, and

some after seven o'clock in the evening. There is in every person's life a crucial hour in the day, which must be employed instead of wasted if the day is to be saved. With most people the early morning hour becomes the test of the day's success. Daniel Webster used often to answer twenty to thirty letters before breakfast.

A person was once extolling the skill and courage of Mayenne in Henry's presence. "You are right," said Henry, "he is a great captain." Henry rose at four in the morning, and Mayenne at about ten. This made all the difference between them. Indecision becomes a disease, and procrastination is its forerunner. There is only one known remedy for the victims of indecision, and that is prompt decision. Otherwise the disease is fatal to all success or achievement. He who hesitates is lost.—Pushing to the Front.

A NEW CATALOGUE.

The Fairbanks Co. has recently issued a neatly illustrated catalogue of its various styles of trucks, including baggage barrows, express wagons, grain or meat wagons, store, warehouse, railroad, hotel, dry goods, carpet, wagon and leather trucks, brick cars, wagons and trucks, push carts, skids, hand push cars, etc., etc. The company is prepared to furnish quotations for these goods to the trade, and also to the consumer. Copies of the catalogue will be furnished upon application to the Montreal office, 749 Craig street.

Standard Steel Toe Calks



WRITE
FOR
DISCOUNTS.



Sizes—No. 0 to 7, 1½ to 3 inches. Price \$1.00 Per Box of 25 lbs. in Bulk, or 24 lbs. in 4 lb. Packages.

Sizes—No. 0 to 5, 1½ to 2¾ inches. Price \$1.25 Per Box of 25 lbs. in Bulk, or 24 lbs. in 4 lb. Packages.

JAMES PENDER & CO., Limited, = Saint John, N. B., Canada.

IRON AND STEEL IN CHICAGO.

As the month of July advances, trade is assuming, to some extent, the characteristics of midsummer. It is pronounced quiet by some factors, while by others just the contrary condition is said to exist. Yet further discussion with the former class usually brings out the additional information that when trade is called quiet it is meant that the volume is shrinking as compared with April, May and June. When comparisons are made with July of last year the result is, without exception, so far as expressions have been heard, very strongly in favor of the present month.

Looking to the production of crude iron and steel in the west, marked activity exists. The mills have more orders than they can fill with any degree of promptness. The pig iron situation, as noted below, is improved this week by the resumption of the two Bay View furnaces, but they are far behind in their orders. The railroads are ordering rails, but the amount is limited, simply because the mills cannot supply the demand. Some 15,000 tons were sold this week. Billets are firm on the better prospects for business, and absorb fully the capacity of the local mills.—Iron and Steel, July 15.

EXPORTING HEATING APPARATUS.

The Gurney Foundry Co., Limited, Toronto, stated this week to a representative of **HARDWARE AND METAL**, that the home demand for all kinds of heating apparatus has been exceptionally good this season. Its Winnipeg branch is especially reaping the benefits of good times, the trade being in every way satisfactory. The firm, however, is not confining its energies to supplying the home demand for these goods, and its export business is growing with gratifying steadiness.

The company has just secured the order for the heating apparatus for the large county court house at Horton, Epsom, England, and an unusually large order for radiators from Scotland.

SALES AGENT FOR ONTARIO.

Mr. W. B. Stewart, of 20 Front street east, Toronto, has been appointed, by the Consumers' Cordage Co., Limited, sales agent for Western Ontario. Mr. Stewart will call on the trade periodically for orders. Mr. Stewart is also the representative of the Hamilton Cotton Co., and these two agencies cover everything in twines and cordage.

PROTECT THE DEALERS.

A little instance of how careful some manufacturers are in protecting the trade: I was in want of a brush, and, passing by the warehouse of Boeckh and knowing the

quality of their goods, I thought I would have no trouble in getting exactly what I wanted. I explained what I required to the salesman, who enquired from me what line of business I was in, and the locality. Of course, it was for my own use, and I advised him of that fact, when, much to my surprise, I was informed that I would have to go to a retail store, as they only sold to the trade. Of course, I could not blame the house at all, but thought it was a pretty strict rule to observe. N.M.

MORE ROOM NEEDED.

Extensive alterations are going on at the Canada Paint Co.'s up-town offices in Toronto, and the premises are now in the hands of the carpenters and decorators. Having a factory and extensive premises at Leslie street, the company hitherto have been content to have a central "port of call," but, owing to the extension of their town and country trade, more ample quarters are an absolute necessity, and the Canada Paint Co. have leased the whole of the building at 90 Bay street, and Mr. W. H. Evans, their local representative, will now be able to greet the company's customers and friends in more spacious quarters.

UNITED STATES COPPER EXPORTS.

The export sales of copper so far this week, according to prominent brokers, are showing an exceedingly active foreign demand. The demand is principally from Germany, Holland and France, and the sales are large. Last week's shipments to Hamburg reached to nearly \$90,000, while those to Havre were more than \$40,000. To Rotterdam the shipment was one of the largest on record for a single week, having reached exactly \$273,764. The forms in which this copper is shipped are plates, bars, pigs and casks.—New York Journal of Commerce.

GREENING'S NEW COW TIES.

Hardware dealers should get full information regarding the new cow tie which The B. Greening Wire Co., Limited, Hamilton, are now placing on the market. Particulars concerning it are given in the advertising columns in this issue of **HARDWARE AND METAL**.

PERSONAL MENTION.

Lieut.-Col. Gartshore, of the McClary Manufacturing Co., London, was in Montreal last week.

SHIPPING ITS METAL TO ENGLAND.

The Syracuse Smelting Co. report an order for 40 tons of metal to be shipped to England. Owing to the increasing demand for their goods, they are now putting in another furnace.

Portland Cements

Best German, English and Belgian Brands

**Calcined Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.**

Largest Stocks. Lowest Prices.
Send for Quotations.

**W. McNALLY & CO.
MONTREAL.**

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

... TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

WHAT have I Found?

SEND SAMPLE to us and we will tell you.

Simple Test. This enables you to judge if worth a full assay, and what metal to assay for	\$1.25
Assays. For Gold, Silver and Lead, each metal	2.00
And Confirmatory Tests by leading Assayers. Each metal	1.00
Copper, Assay	3.50

Send 8-oz. Sample, carriage paid, to

CANADIAN MINING EXHIBIT CO., Limited

650 Craig Street

Agents Wanted. ... MONTREAL.

A GREAT EVENT

Canada's Great

EXPOSITION

and

INDUSTRIAL FAIR

Toronto.....

Aug. 29th to Sept. 10th, 1898

**NEW AND WONDERFUL
ATTRactions**

Excelling all Previous Years

THE CUBA-AMERICAN WAR
Exciting Naval and Military Displays

**THE LATEST INVENTIONS
AND NOVELTIES**
from all parts of the world

Entries of Exhibits Close Aug. 6th.
Cheap Excursions from Everywhere.

For Prize Lists, Entry Forms, Programmes,
and all particulars, address

J. J. WITHROW
President.

H. J. HILL
Manager, Toronto.

NO SMOKE**GREAT RESULTS**

New Issue 1898

FOR LONG RANGE GAME SHOOTING

Standardized



Equalized

HAS NO EQUAL.

A DISTINCT ADVANCE ON ALL PREVIOUS ISSUES.

High Velocities, Low Pressures, Long Range

Extra-hardened, double-waterproofed, reliable, safe, no jar, hard-hitting, quick and strong with perfect combustion, the favourite powder, the choice of experts, the powder of 1898.

THE POWDER OF POWDERS FOR A VARIABLE CLIMATE.

SOLE MANUFACTURERS

The Smokeless Powder Co., Limited

Dashwood House, New Broad St.,

Lewis Bros. & Co., Montreal
LONDON, E.C.

Sole Agents for Canada.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, July 22, 1898.

HARDWARE.

THERE has been a fair volume of trade for the season in general hardware, but naturally this season no extensive business is expected. All lines rule as they were last week, the recent changes in horseshoes being already made public. Cordage also on this market has reacted $2\frac{1}{2}$ c., and is rather easy at the decline. Other lines are steady as to values.

BARB WIRE—Little or nothing is doing in this line, and the base price is nominal at \$2 f.o.b. Montreal.

PLAIN WIRE—Continues quiet and unchanged. Discounts are 40 per cent. on oiled and annealed, and 35 on galvanized.

WIRE NAILS—There has been a moderately active business in these at prices ranging all the way from \$1.75 to \$1.85, according to the nature of the order.

CUT NAILS—The reduction in price has had little influence on the demand, which is

slack. We quote \$1.75 f.o.b. Montreal, Toronto, Hamilton and London.

HORSE NAILS—Continue the same, at 50 per cent. discount off the list.

HORSESHOES—The reduced prices have not induced any great activity in horseshoes. we quote as follows: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35.

SCREWS—There is a quiet steady trade. Discounts are: Flat head bright, $87\frac{1}{2}$ and 10; round head do., 80 and 10; flat head, brass, $82\frac{1}{2}$ and 10; round head brass, 75 and 10. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75 and 10.

BOLTS—Business fairly good. Discounts are as follows: Carriage bolts, $\frac{1}{4}$ to 5-16, 70 per cent.; $\frac{3}{8}$ and up, 60 and 10; machine bolts, $\frac{1}{4}$ and 5-16, 70 per cent., and $\frac{3}{8}$ and up, 65 and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS—Trade quiet but steady. Discounts are: Iron rivets, black and tinned,

all sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Business, stock and jobbing prices here have been shaded $2\frac{1}{2}$ c. all round. We quote as follows: Sisal, 7-16 and up, $10\frac{1}{2}$ c.; $\frac{3}{8}$, 11 c.; 5-16 and $\frac{1}{4}$, $11\frac{1}{2}$ c., and 3-16, 12 c.; manilla, 7-16, $12\frac{3}{4}$ c.; $\frac{3}{8}$, $13\frac{1}{4}$ c.; 5-16 and $\frac{1}{4}$, $13\frac{3}{4}$ c., and 3-16, $14\frac{1}{4}$ c.

BINDER TWINE—Continues much as last reported.

CLOTHES WRINGERS—Very little business doing.

HINGES—There is still a fair demand for these and we quote: 6 to 12 inch, \$3.50, and 14-inch, \$2.50.

GREEN WIRE CLOTH—There are only a few sorting orders coming in.

SPADES AND SHOVELS—Business quiet, with discounts 40 and 10 per cent.

TOOLS—Remain much the same.

BUILDING PAPER—Quiet and unchanged.

CEMENT—There is little doing in cement. We quote: English, \$2.25 to \$2.35; German, \$2.30 to \$2.45; Belgian, \$1.80 to \$2, and

“FAMOUS MODEL” WOOD COOK STOVE.



Guaranteed to do perfect work.

You run no risk in selling them.

They please your customers and yield a good profit.

Every known improvement is embodied in their manufacture.

THERMOMETER shows exact heat of oven without opening door.

FRESH WARM AIR circulates through oven while baking.

STEEL OVEN BOTTOM heats oven quickly and cannot break.

SAFETY EXPANSION TOP.

CEMENTED BOTTOM prevents heat escaping and makes stove do perfect work with less fuel than any other stove of its class.

A sample stove will soon sell others.

If you want goods quickly order from McClary's.

THE McCLARY MFG. CO.

LONDON, TORONTO, MONTREAL, WINNIPEG and VANCOUVER.



APOLLO BEST BLOOD
GALVANIZED IRON.

We are surprised to ever be asked
to conspire with a builder to skin
his job on galvanized iron,

Apollo Iron and Steel Company,
Pittsburgh, Pa.

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

ROLLING MILLS

.. MONTREAL

MERCHANT BAR IRON—

	BRAND
Best Refined Bar Iron	AVB
" " Rivet Iron	AVB
" " Horseshoe Iron	
Ex. Best " Bar Iron	AXB
" " Rivet Iron	AXB
" " Stay Bolt Iron	AXB
" " Hammered Iron	AHB
" " Charcoal Iron	ACB

Tyre, Sleigh Shoe,
Axe and Rivet STEEL.

CANADA IRON FURNACE CO.,
Limited.

Manufacturers of

CHARCOAL Pig IRON
MONTREAL.

BRAND "C.I.F." THREE
RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

Canadian \$1.60 to \$1.80, as to brand, ex
wharf.

FIREBRICKS—Without new feature, prices
ranging from \$16 to \$21 per 1,000, accord-
ing to brand.

METALS.

Trade continues fair in heavy iron and
metal, but most of the orders are on for-
ward account. Prices, as a rule, are firm
in their tone. The only business of im-
portance in pig iron has been confined to
some car lots of No. 1 Hamilton, which
changed hands at \$15. Some American
pig has been arriving lately, but it is not
new business, being the completion of con-
tracts placed some months ago. Bar iron
rules fairly steady as attested by several car
lot transactions on the basis of \$1.40, and,
though this has been shaded in some
instances, the cases were exceptional. There
is a lot of trouble being experienced
over deliveries of tin plate, galvanized sheets
and Canada plate, as the makers in
Great Britain are still severely handi-
capped in their work by the coal strike,
which does not appear to be any
nearer settlement than it was. Terne plates
also have been rather actively enquired for,
and several good sized lots have changed
hands between jobbers lately. Stocks of
this material are quite light, and prices are
very firmly held as a result. Sheet steel,
hoops and bands and other lines of iron
also rule steady in tone. In metals the firm
feeling noted in tin last week is retained, and
copper, and spelter are also quite stiff,
though not quotably altered. Sheet zinc has
stiffened $\frac{1}{4}$ c. per lb. Antimony, in cask
lots, has been offered at a fractional shad-
ing, which is about the only change in a
downward direction. We find also that
Comet galvanized iron and tin plate, on
which an advance of $\frac{1}{4}$ c. was noted last
week, are still offered at the previous prices,
so we again mark down the price in both
cases to the old level.

PIG IRON—We quote : No. 1 Ham-
ilton, \$15 to \$16; No. 2, \$14.50 to \$15;
Ferrona, \$15; Siemens \$15, and Sum-
merlee and equal brands, \$17, ex wharf,
and \$18 to \$18.50 ex yard.

BAR IRON—Steady at \$1.40.

BAND IRON—The same, at \$1.75.

HOOP IRON—Light demand, at \$2.

SHEET IRON—We quote as follows :
\$2.15 on 10 to 16 gauge; \$2 on 18 to 20
gauge; \$2.10 on 22 to 24 gauge; \$2.
20 on 26 gauge, and \$2.25 on 28 gauge.

SHEET STEEL—12 gauge, \$2.15 per
100 lb.; 16 gauge, \$2.30; 18 to 20,
\$2.20 to \$2.30; 22 to 24, \$2.20 to \$2.30;
26, \$2.25 to \$2.35; 28, \$2.35 to \$2.45;
"Dead Flat," 14 to 16 gauge, \$3.25
per 100 lb.; 18 to 20, \$3; 22, \$3.10; 24,
\$3.50; 26, \$3.75.

TINPLATES

The following brands have all been thoroughly
tested and command the preference in their re-
spective grades, for uniformity in quality and
tinning :

BEST COKE—"Lydbrook" and "Trym."

CHARCOAL—"Allaways" and "Canada Crown."

BEST CHARCOAL—"Dominion Crown" (tissued).

EXTRA CHARCOAL—"Dominion Crown Best
Best" (tissued).

Lowest prices for import, to wholesale
buyers only.

A. C. LESLIE & CO.

Montreal.

"GREENING'S

Cow Ties."

These Cow Ties have stood the test for years.
Undoubtedly the best and strongest on the
market.

It will pay to handle only the best.
A complete line of all sizes ready for shipment.
For sale by all jobbers.

The B. Greening Wire Co., Limited

MONTREAL AND HAMILTON

THE LEADER BARREL CHURN has more
improvements than any other Churn on the market. Gives
users better satisfaction. Requires less effort to operate
and is more active than ordinary churns. Has patent gas
vent, malleable handle and special locking attachment.



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HAMILTON ONT.

NOVA SCOTIA STEEL Co.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

LEAD PIPE—Composition waste $7\frac{1}{2}$ c., and lead pipe 7c., discounts 25 per cent.

GALVANIZED IRON—Active. We quote: "Queen's Head," \$4.15 to \$4.25; "Comet," \$3.75.

TINNED IRON—Steady.

PIG LEAD—Very firmly held at \$3.80.

INGOT TIN—Firm, $17\frac{1}{2}$ c.

INGOT COPPER — 13 to $13\frac{1}{2}$ c.

SHEET COPPER — $16\frac{1}{2}$ c. for 14-oz., and $15\frac{1}{2}$ c. for 16-oz.

CANADA PLATES—Quite firmly held, and we quote: 52's, \$2.15 to \$2.20; 60's, \$2.30, and 75's \$2.40 to \$2.45. Full polished, \$3.

TIN PLATE—We quote as follows: Coke, I.C., \$2.90 to \$3.25; charcoal, I.C., Allaway or Comet brands, \$3.25; do, I.X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I.C., \$3.95; do, I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Steady at \$6 to \$6.25.

COIL CHAIN—We quote: $\frac{1}{4}$ -inch, \$5; 5-16, \$3.50; $\frac{3}{8}$, \$3.25; 7-16, \$3.15; $\frac{1}{2}$ -inch, \$3, and $\frac{5}{8}$ up, \$2.85.

SHEET ZINC—Quiet, at $5\frac{3}{4}$ to 9c.

SOLDER—Steady, at 11 to $11\frac{1}{2}$ c.

SPELTER—Unchanged. Vieille Montague \$5.25, and American, \$5.40.

ANTIMONY—Casks, $9\frac{1}{4}$ c.

IRON PIPE—Firm. We quote: Black pipe, $\frac{1}{4}$ -inch and $\frac{3}{8}$ -inch, \$1.95; $\frac{1}{2}$ -inch, \$2.20; $\frac{3}{4}$ -inch, \$2.65; 1-inch, \$3.65; $1\frac{1}{4}$ -inch, \$4.75; $1\frac{1}{2}$ -inch, \$6.25, and 2-inch, \$8.25. Galvanized, $\frac{1}{2}$ -inch, \$3.85; $\frac{3}{4}$ -inch, \$4.70; 1-inch, \$6.50; $1\frac{1}{4}$ -inch, \$9; $1\frac{1}{2}$ -inch, \$11.50, and 2-inch, \$16.

SANITARY WARE—Unchanged.

GLASS.

The glass market has been quiet at the advance. We quote: First break, \$1.50; second, \$1.60 per 50 feet; first break per 100 feet, \$2.80; second, \$3; third, \$3.30; fourth, \$3.50; fifth, \$3.70; sixth, \$4.25, and seventh, \$4.75.

PAINTS AND OILS.

The trade is now entering on the summer quiet which always accompanies harvesting operations. Prices all over the list are very firm, however, as the result of reports from sources of supply. White and red lead have been advanced $\frac{1}{4}$ c. per lb. in the United States last week, but, though prices are firm, no advance is looked for in the Dominion, at least for the present. Zinc white, which is an important item in paint manufacture, is steadily advancing, and the fact is sure to tell in the price of zinc paints, mixed paints, enamels, etc. Since January the advance amounts to about $\frac{3}{4}$ c. per lb. and there is more to follow. Linseed oil is also higher in England, and with scarcity on spot figures may be taken as firm, though we hear of some cutting for jobbers' lots. Turpentine strengthening at shipping points, but local quotations unaltered.

WHITE LEAD—Best brands, Government standard, \$5.62 $\frac{1}{2}$; No. 1, \$5.25; No. 2, \$4.87 $\frac{1}{2}$; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, $4\frac{1}{2}$ c.; kegs, $4\frac{3}{4}$ c.; No. 1, casks, $4\frac{1}{4}$ c.; kegs, $4\frac{1}{2}$ c.

WHITE ZINC PAINT—Pure, $6\frac{1}{2}$ c.; No. 1, $5\frac{3}{4}$ c.; No. 2, 5c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 49c.; boiled, 52c., five-barrel lots one cent less net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to five barrels, 42c. the same terms as linseed oil.

PARIS GREEN—Pure, in barrels, $16\frac{1}{4}$ c.; 250-lb. kegs, $16\frac{1}{2}$ c.; 50 to 100-lb. drums, 17c.; 1-lb. packets, 18c.; 1-lb. tins, $18\frac{1}{2}$ c.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at $8\frac{1}{4}$ to $8\frac{1}{2}$ c.

SEAL OIL—37 to 40c.

COD OIL—Supplies light, and prices firm at 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, $4\frac{1}{2}$ to $5\frac{1}{2}$ c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

Beef hides have declined $\frac{1}{2}$ c. on the week to 9c. for No. 1; 8c. for No. 2, and 7c. for No. 3.

PETROLEUM.

This market has ruled firmer by 1 to $1\frac{1}{2}$ c. on American and Crown Acme oil, but Canadian is unchanged. We quote: Canadian Crown Acme, 15c.; refined, 12c. in car lots, and 13c. in smaller quantities; American, prime white, $15\frac{1}{2}$ c. in small lots; water white, $16\frac{1}{2}$ c.; Pratt's astral oil, $18\frac{1}{2}$ c.

MONTREAL NOTES.

Cordage on this market has been reduced $2\frac{1}{2}$ c. per lb. all round.

Under increased receipts, there has been a decline in beef hides of $1\frac{1}{2}$ c. per lb.

Prices on high grade petroleum have been advanced 1 to $1\frac{1}{2}$ c. per gallon, and are firm at the rise.

Sheet zinc has been marked up $\frac{1}{4}$ c., and only straight lots are now obtainable at our quoted inside price.

Importers here are having constant difficulty regarding deliveries of tin and Canada plate and galvanized iron.

We find that "Comet" galvanized iron and tin plate is still being offered at the old price, hence reduction in our quotations.

Lamlough & McNaughton, St. Sulpice street, Montreal, have about 2,000 cases of general hardware, consisting principally of guns and cutlery, just to hand.

J. Burns & Co., Montreal, have had some large sales lately of their ranges. Last week five 9-foot ranges were sold in one day, at prices from \$200 each upwards. They have an order from Jamaica for one of their patent family ranges.

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for
Cleaning Cutlery.

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Manufacturers of Emery, Black Lead, Emery and
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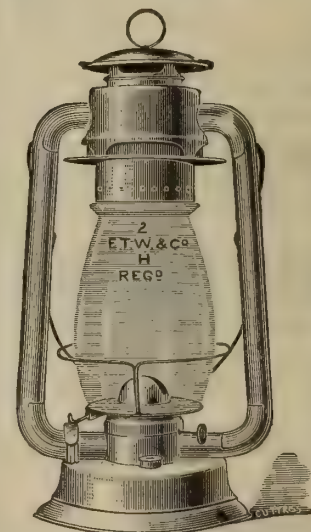
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Barrel Churn
with Roller Bearing Stand is the favorite, and takes the lead everywhere. More sold than all other kinds. Improved vent supplied when required. The old style clumsy stand is not to be compared with our neat, strong, common sense, Roller Bearing Stand. Buy The Daisy, or you will miss it.

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Cold Blast
Lanterns

Bird Cages
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Stamped
Re-tinned
and Japanned

...TINWARE

HAMILTON - CANADA.

ONTARIO MARKETS.

TORONTO, July 22, 1898.

HARDWARE.

THE week has not been a very eventful one in the wholesale hardware trade. The volume of business is much as it was at the time of last review, and for this time of the year may be termed good. Payments like business are fairly good. Business continues steady in wire nails, and a few good orders are still being received for cut nails of special sizes. In horseshoes trade is picking up a little. The same may be said in regard to horse nails. Trade in bolts, rivets and burrs and screws continues steady. Belting is gradually improving, as far as the demand is concerned. A few good sales in building paper are reported. Granite ware is in good request, and an improved demand is to be noted for tinware. Rope has taken a drop, sisal being this week quoted $\frac{1}{8}$ and Manilla $1\frac{3}{8}$ c. per lb. lower. Socket, firmer, and framing chisels are higher, the discount being reduced $2\frac{1}{2}$ per cent.

BARB WIRE—Occasional orders are being received, both for shipment from local stocks and from factory at Cleveland. We quote: \$1.80 f.o.b. Cleveland, and \$2 from stock, Toronto. Terms, 30 days or 2 per cent. 10 days.

ORDINARY FENCE WIRE — There is very little doing. Discounts are: Annealed, oiled and annealed, 35 per cent.; galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 65 per cent.

WIRE NAILS—Trade remains steady, although no large lots appear to be moving. The factories are being kept fairly busy. The ruling price is \$1.80 to \$1.85 per keg, Toronto.

CUT NAILS—A few good orders for special sizes are still to be noted, but in general trade is quiet. Base price is \$1.75 per keg, Toronto, Montreal, Hamilton, London.

HORSE NAILS—A slight improvement is to be noted in the demand. Discount: Standard, 50 per cent.; Acadia, 50 and 20 per cent.

HORSESHOES—Orders are coming in a little more freely. Quotations are: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15. Further particulars will be found on the editorial pages.

SCREWS — Trade is steady. Discounts are as follows: Flat head bright, $87\frac{1}{2}$ and 10; round head bright, 80 and 10; flat head brass, $82\frac{1}{2}$ and 10; and round head brass, 75 and 10 per cent. Machine screws, iron and brass, flat head, $87\frac{1}{2}$ and 10 per cent.

BOLTS — Large quantities of carriage and tire bolts are moving. Discounts

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Pressed Brick



Costs very little, and makes a splendid exterior for almost any class of building which can hardly be distinguished from the real brick.

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The Brush
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costs you no more than the old-fashioned twine bridled brush that painters are now discarding for the time and labor saving Bridled Brush that Boeckh makes.

The Painter who once sees the Brush **wants** one, and if he can't get it of you, he's not going to wait long. Your competitor may have it—he probably has, because he finds it holds trade. He is up to the needs of this progressive age you see—are you?

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Boeckh's
Bridled
Brush.

are: Common carriage bolts, $\frac{1}{4}$ to 5-16 inch, 70 per cent.; ditto, $\frac{3}{8}$ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, $4\frac{1}{4}$ c.; hexagon, $5\frac{1}{4}$ c.

RIVETS AND BURRS—There is a fair quantity moving in copper, coppered, tinned, section and carriage. We quote: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—The market got top heavy through the recent sharp advances, and this week a decline of $\frac{1}{8}$ c. per lb. is to be noted in Manilla and $1\frac{3}{8}$ c. per lb. in sisal. Lath yarn is also $1\frac{3}{8}$ c. lower. A slight improvement in the demand is to be noted. We quote: Sisal, 7-16 in. and larger $10\frac{1}{2}$ c.; $\frac{3}{8}$ in., 11c.; $\frac{1}{4}$ and 5-16 in., $11\frac{1}{2}$ c.; Manilla, 7-16 in. and larger, 13c.; $\frac{3}{8}$ in., $13\frac{1}{2}$ c.; $\frac{1}{4}$ and 5-16 in., 14c.; deep sea line, $13\frac{1}{2}$ c. for water laid, and $14\frac{1}{2}$ c. for machine-made; hemp, 7 to 9c.; lath yarn, $8\frac{1}{2}$ c.

CHURNS—Trade has been rather quiet during the past week. We quote discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Still quiet. We quote as follows: "New Leader" and "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50.

BELTING—Trade is improving nicely in both leather and rubber belting, and particularly in the latter. We quote leather belting as follows: Agricultural, 65 and 5 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," $57\frac{1}{2}$ to 60 per cent.; "Red Strip," 45 to $47\frac{1}{2}$ per cent.

HINGES—Fair quantities are moving. We quote: 6 to 12 inch, inclusive, at \$3.15 per 100 lb., and 14-inch and upwards at \$2.35; light T and strap, 70 and 10 per cent.; screen door hinges, \$6.50 per gross pair.

GREEN WIRE CLOTH—An occasional order is still being received. We quote: \$1.20 per 100 square feet. Terms, 4 months or 3 per cent. 30 days.

SPADES AND SHOVELS—Trade is rather quiet. Discount, 40 and 10 to 45 and $2\frac{1}{2}$ per cent.

HARVEST TOOLS—The demand is prin-

cipally for straw forks, barley forks, scythes and cradles.

GARDEN HOSE—Quiet. We quote: "Lion" and "Western," 70 to 70 and 5 per cent.; "Competition," 75 to $77\frac{1}{2}$ per cent.

BUILDING PAPER—A few good sales have been made during the past week, but, in general, trade is quiet. We quote as follows: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred.

CUTLERY—Trade is beginning to pick up, travelers' orders during the week having been more numerous.

WARE—There is a good demand for enamel ware, especially preserving goods. Tinware is quiet except in some lines, although an improvement is noted.

CEMENT—Large sales are reported at steady and unchanged prices. We quote in barrel lots: Canadian Portland, \$2.70 to \$2.90; English do., \$2.85 to \$3; Belgian do., \$2.35 to \$2.50; Canadian hydraulic cements, \$1.10 to \$1.25; calcined plaster, \$1.90 to \$2.

METALS.

Metals are quiet, although the demand is a little better than it was a week ago. About the only change in prices is an advance of $\frac{1}{2}$ c. per lb. in the price of solder.

PIG IRON—There is a little better feeling, but we hear of no business locally. We quote: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$11.80 per ton; No. 2 ditto, \$11.55; No. 1 Northern American soft, \$11.80; No. 2 ditto, \$11.55. Hamilton iron, No. 1, in 100-ton lots, is quoted at \$14, on track Toronto.

BAR IRON—No change. We quote base price \$1.45 to \$1.55 from stock, and \$1.35 to \$1.45 from factory.

HOOP AND BAND IRON—Business is moderate. We quote: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—Trade is good this week, some large shipments having been made. We quote as follows: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—An improvement in trade in this line is also to be noted. We quote as follows: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

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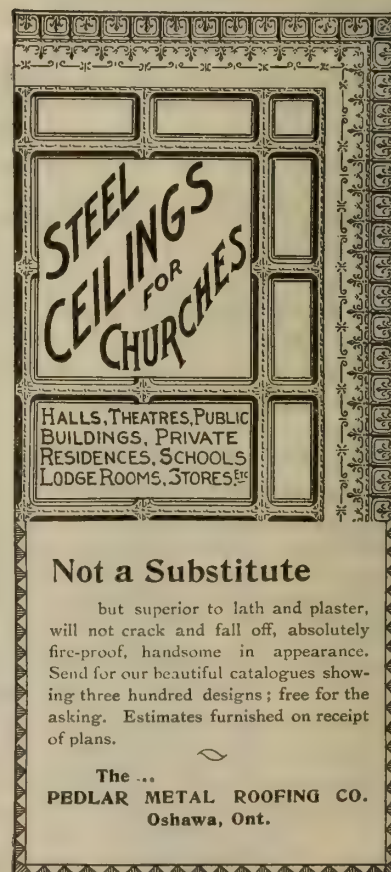
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The . . .
PEDLAR METAL ROOFING CO.
Oshawa, Ont.

GALVANIZED IRON—Trade in this line again shows some improvement, a number of good orders having been received during the week. We quote: Queen's Head (case lots), 16 gauge, $3\frac{3}{4}$ c.; 18 to 24, $\$3.87\frac{1}{2}$ c.; 26, $4\frac{1}{4}$ c.; W. G. 28 gauge, $\$4.37\frac{1}{2}$ c.; Gordon Crown (case lots), 28 gauge, $4\frac{1}{4}$ c.; 26 gauge, 4c.; 22 to 24 gauge, $3\frac{3}{4}$ c. per lb. American (case lots), 28 gauge, $\$3.80$; 26 gauge, $\$3.55$; 22-24 gauge, $\$3.30$; 18 to 20 gauge, $\$3.05$. "Comet" brand, No. 24, $\$3.25$; No. 26, $\$3.50$; No. 28, $\$3.75$. Small lots in all the above are $\frac{1}{4}$ c. per lb. higher than figures named.

INGOT COPPER—The improvement in the demand noted last week has been maintained. We still quote $12\frac{3}{4}$ to 13c. per lb.

SHEATHING COPPER—There is still a little being done in braziers' and roofing copper. We quote: Sheathing copper, $15\frac{1}{2}$ to $16\frac{1}{2}$ c., according to weight and quantity; braziers', $15\frac{1}{2}$ to $17\frac{1}{2}$ c. per lb., according to gauge.

INGOT TIN—Trade is steady at unchanged prices. We quote Straits at $17\frac{1}{2}$ c., and Lamb and Flag at 18c.

PIG LEAD—A few round lots have changed hands, but in general trade has been on the quiet side. We quote 4 to $4\frac{1}{4}$ c. per lb.

IRON PIPE—Trade has been quite brisk at unchanged prices. We quote: Black pipe, per 100 feet, $\frac{1}{4}$ to $\frac{3}{8}$ inch, $\$1.87$ to $\$2$; $\frac{1}{2}$ inch, $\$2.15$ to $\$2.20$; $\frac{3}{4}$ inch, $\$2.62\frac{1}{2}$; 1 inch, $\$3.60$; $1\frac{1}{4}$ inch, $\$4.75$; $1\frac{1}{2}$ inch, $\$6.20$; 2 inch, $\$8.30$. Galvanized, $\frac{1}{2}$ inch, $\$3.50$ to $\$3.80$; $\frac{3}{4}$ inch, $\$4.20$ to $\$4.60$; 1 inch, $\$5.85$ to $\$6.20$; $1\frac{1}{4}$ inch, $\$8.05$ to $\$8.25$; $1\frac{1}{2}$ inch, $\$11$ to $\$11.25$.

RANGE BOILERS—Trade is fair. We quote: Galvanized, 30 gals., $\$5.25$ to $\$5.50$; 35 gal., $\$6.25$ to $\$6.50$; 40 gal., $\$7.25$ to $\$7.50$; copper, 30 gal., $\$22$; 35 gal., $\$26$; 40 gal., $\$30$; discount off copper boilers, 25 per cent.

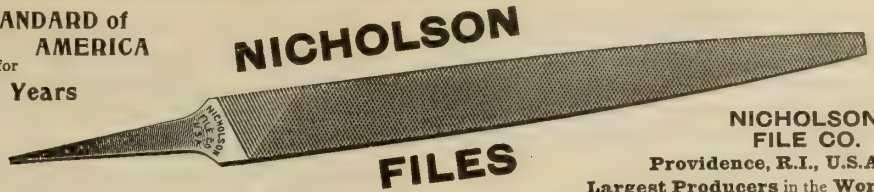
CANADA PLATES Business is principally of an import character, shipments of stock being small. We quote: Half-polished, 52-sheet boxes, $\$2.35$; ditto, 60-sheet boxes, $\$2.40$; dull, 75-sheet boxes, $\$2.50$; ditto, "Alaska," $\$3$.

TIN PLATES—A further improvement is to be noted. A good many import lots have been delivered during the week. We quote: Cokes, $\$3$ to $\$3.10$ for 14×20 ; do., squares, $\$3.15$ to $\$3.25$; $\$6.25$ for 20×28 ; charcoal plates, $\$3.50$ to $\$3.60$ basis for good brands.

TINNED IRON—Business is much as before. We quote as follows: $5\frac{1}{2}$ c. in case lots for 22 to 24 gauge, and $2\frac{3}{4}$ c. in lesser quantities; cut to size, 24 gauge, case lots, $4\frac{3}{4}$ c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and $6\frac{1}{4}$ c. for small lots.

COIL CHAIN—Business is still fair. We

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quote: $\frac{1}{4}$ in., $\$4.65$; 5-16 in., $\$3.75$; $\frac{3}{8}$ in., $\$3.25$; 7-16 in., $\$3.15$; $\frac{1}{2}$ in., $\$3.10$; $\frac{5}{8}$ in., $\$2.80$; $\frac{3}{4}$ in., $\$2.75$.

TERNE PLATES—Quiet. We quote: I C, $\$6$ to $\$6.75$; I X, $\$7.50$.

SHEET ZINC—The demand is steady for small lots. We quote cask lots at $5\frac{3}{4}$ c., and small quantities at 6c.

SOLDER—Strictly half and half has been advanced $\frac{1}{2}$ c. per lb., quantities now being quoted at $12\frac{1}{2}$ c., and small lots at 13c. The advance is in sympathy with the firmness in tin and lead. Standard is still quoted at $11\frac{1}{2}$ c. per lb.

ANTIMONY—Trade shows quite an improvement. We quote: Cookson's, cask lots, $10\frac{1}{2}$ c.; smaller quantities, 11c. other makes, $8\frac{1}{2}$ to 9c.

ZINC SPelter—Trade is fair at 5c. for ton lots, and $5\frac{1}{4}$ c. for small quantities.

PAINTS AND OILS.

There has been an appreciable falling off in the demand for paints, oils and varnishes, and to the hot weather is attributed the cause. Orders are, however, still numerous, but they are light, and the usual summer dulness is expected to rule for some weeks. A good deal of firmness characterizes white lead, zinc, whiting and varnish gums, and even with the lessening of the demand there is no disposition to shade prices. It fact, dry oxide of zinc for choice brands is quoted 5c. per ton dearer than a few weeks ago. Decorators' and painters' sundries are in fair request. Although no actual change in quotations has yet taken place in paris green, the market is beginning to show a sagging tendency, and, while the local demand is light, there is still a fair business being done on eastern account. Turpentine has advanced over $1\frac{1}{2}$ c. in the south, but prices here are yet unchanged. The demand is light. The movement of linseed oil is also small, with prices steady and unchanged. We quote:

WHITE LEAD—Ex Toronto, pure white lead, $\$5.75$; No. 1, $\$5.37\frac{1}{2}$; No. 2, $\$5.00$; No. 3, $\$4.62\frac{1}{2}$; No. 4, $\$4.25$; dry white lead in casks, $\$5.10$.

RED LEAD—Genuine, in casks of 560 lbs., $\$4.75$; ditto, No. 1, in casks of 560 lbs., $\$4.50$; genuine, in kegs of 100 lbs., $\$5$; ditto, in kegs of 100 lbs., No. 1, $\$4.75$.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to $6\frac{1}{2}$ c.; orange mineral, $6\frac{1}{2}$ to $7\frac{1}{2}$ c.

WHITE ZINC—Genuine, French V.M., in casks, $\$5.50$ to $\$5.75$; Lehigh, in casks, $\$4.37\frac{1}{2}$ to $\$4.50$.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, $\$1.75$ per barrel; New Brunswick, $\$2.10$ per barrel.

PUMICE STONE—Powdered, $\$3$ per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

PARIS GREEN—Kegs, $16\frac{1}{2}$ c.; 50 and 100-lb. drums, 17c.; 1-lb. packages, 18c.; 1-lb. tins, $18\frac{1}{2}$ c.; cases, $\frac{1}{2}$ -lb. boxes, $19\frac{1}{2}$ c.

LIQUID PAINTS—Pure, $\$1$ per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, $9\frac{1}{2}$ c. per lb. and $10\frac{1}{2}$ c. for single tins; United States, in cases, $8\frac{1}{2}$ c., and $9\frac{1}{2}$ c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 50c.; boiled, 1 to 4 barrels, 53c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 43c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

OLD MATERIAL.

The demand continues good for all lines. Copper quotations are reduced $\frac{1}{2}$ c. this week, the scarcity noted a few weeks ago having been lessened by large receipts. Other figures are unchanged. We quote as follows: Agricultural scrap, 45c. per cwt.; machinery cast, $52\frac{1}{2}$ c. per cwt.; stove cast scrap, 30c.; No. 1 wrought scrap, 40 to 50c. per 100 lbs.; No. 2, including sheet iron and hoop iron, 10c.; new light scrap copper, $7\frac{1}{4}$ c. per lb.; bottoms, 7c.; heavy copper, $7\frac{1}{2}$ to 8c.; light scrap brass, 4 to $4\frac{1}{4}$ c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, $2\frac{1}{2}$ to $2\frac{3}{4}$ c.; zinc, 2c.; scrap rubber, $3\frac{1}{2}$ to $3\frac{3}{4}$ c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lbs.

GLASS.

The demand has quieted down considerably, as is usual at this time of the year. Some import orders are still arriving. There

is no change in price, the feeling continuing firm. We quote as follows: First break in 50-foot boxes, \$1.60, and in 100-foot boxes, \$3; double diamond, under 25 united inches, \$4.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

COAL.

Trade is quiet. Prices are unaltered, but we now give both gross and net figures. We quote anthracite at Buffalo and bridges as follows: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

PETROLEUM.

Business continues good, no change being noted in prices. We quote at Toronto, as follows: Canadian, 13½c; Sarnia water white, 15c.; American water white, 17½c.; Pratt's astral, 16c., in bulk.

MARKET NOTES.

A good trade is being done in eavetroughing.

All kinds of scrap copper have declined 2c. per lb.

A good many lanterns and elbows are being shipped for the fall trade.

Strictly half-and-half solder is ½c. per lb. dearer at 12½ to 13c. per lb.

Sisal rope is 1¾c. per lb. lower, and Manilla shows a reduction of ¼c. per lb.

Stewart & Wood are taking in a large shipment of glass amounting to about 2,000 boxes.

Ice cream freezers are in good demand; but the season is practically over for refrigerators.

Turpentine has advanced over 1½c. in the primary market, but prices here are unchanged.

Socket, firmer and framing chisels are dearer, the discount being reduced to 75 per cent.

The season is about over for oil and gas stoves as far as the manufacturers and wholesalers are concerned.

The McClary Manufacturing Co., Limited, are putting a new line of toddy kettles on the market. They are copper, nickel-plated.

MANITOBA MARKETS.

WINNIPEG, July 18, 1898.

HARDWAREMEN, as well as others, were flooded with visitors during the past week, and considerable future business was planned for and got under way.

In prices, there have been some few changes since last writing. Cut nails are down to \$2.15; wire nails, plain twist and staples, \$2.40.

Many houses are engaged in shipping out binder twine orders which were placed last February. The fact that wheat is already heading out in many districts is causing dealers to hasten preparations for handling harvest business.

George D. Wood & Co.'s great warehouse approaches completion, as far as the walls are concerned, and the coping is being put on the fifth storey.

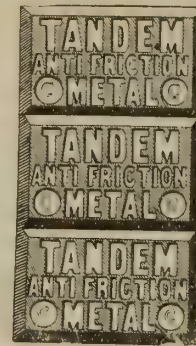
Price list for the week is given below:

Barb wire, 100 lbs.	\$2 40
Plain twist wire and staples.	2 90
Oiled annealed wire.	2 80
	11 2 90

Green wire cloth, per 100 feet	12	3 00
Poultry wire, per 100 feet	13	3 15
Wire nails, 30 to 60 dy, keg.	14	3 30
16 and 20	15	3 65
10		1 40
8		55
6		2 65
4		2 70
3		2 75
Cut nails, 50 and 60 dy.		2 80
20 to 40		2 95
10 to 16		3 05
8		3 30
6		2 15
4		2 20
3 fine		2 25
Horse nails, 45 per cent. discount.		2 30
Horse shoes, iron, light, medium and heavy, keg.		2 35
Snow shoes.		2 85
Steel, light.		3 10
extra light.		4 00
Bar and band iron, \$2.05 basis.		4 25
Swedish iron, \$5 basis.		4 25
Tool steel, Black Diamond, 100 lbs.		5 75
Jessop.		8 00
Sheet iron, black, 8 to 24 gauge, 100 lbs.		12 50
26 gauge.		3 50
28 gauge.		3 75
Galvanized American, 16 to 24 gauge.		4 00
26 gauge.		4 25
28 gauge.		4 50
Genuine Russian, lb.		12
Imitation.		8
Tinned, 24 gauge, 100 lbs.		7 25
26 gauge.		7 50
28 gauge.		8 50
Tin plate, IC charcoal, 20 x 28, box.		8 50
IX.		10 50
IXX.		12 50
Canada plate, 18 x 21 and 18 x 24.		3 25
Sheet zinc, cask lots, 100 lbs.		6 00
Broken lots.		6 50
Pig lead, 100 lbs.		4 25
Wrought pipe, black, ¼ inch.		2 50
¾ inch.		2 75
1 inch.		3 00
1½ inch.		4 00
2 inch.		5 00
Over 2 inch.		7 00
Rope, sisal, 7-16 and larger.		8 50
¾		11 50
¾ and 5-16		65 p.c.
Manilla, 7-16 and larger.		13 00
¾		12 75
¾ and 5-16		13 25
Cotton, all sizes, lb.		14 50
Axes, per box.		15 50
Screws, flat head, iron.		15
Round.		85 p.c.
Flat "brass.		77½ p.c.
Round.		80 p.c.
Bolts, carriage.		72½ p.c.
Machine.		60 p.c.
Tire.		60 p.c.
Sleigh shoe.		60 p.c.
Rivets, iron.		55 p.c.
Copper, No. 8, lb.		65 p.c.
Spades and shovels.		25c.
Harvest tools.		40 p.c.
Axe handles, turned, s. g. hickory, doz.		60 to 60-10
No. 1.		\$2 50
No. 2.		1 50
Octagon extra.		1 25
No. 1.		1 65
Linseed oil, raw, per gal.		1 25
boiled.		57
Ammunition, cartridges, Dominion R.F.		60
Dominion, C.F., pistol.		50 p.c.
military.		25 p.c.
American R.F.		15 p.c.
C.F. pistol.		35 p.c.
C.F. military.		5 p.c.
Loaded shells, Robin Hood, M.		Net
Eley's 12 gauge, M.		\$18 00
American, M.		16 00
Shot, Ordinary, per 100 lbs.		16 20
Chilled.		6 25
Powder, F.F., keg.		6 75
F.F.G.		4 75
Robin Hood.		5 00
Tinware, pressed.		10 00
Granite ware, according to quality.		70 and 30 p.c.

"Tandem" Anti-Friction Metal

suitable for all purposes.



A For heavy pressure and high speed.

B For medium pressure and high speed.

C For low pressure and highest speed.

If your dealer does not carry this line, order direct from

Lamplough & McNaughton

Montreal

THE ... UNRIVALLED



Brilliant St. Antoine

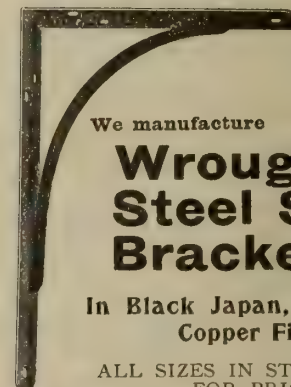
METAL POLISH.

New Belgian Process for cleaning and polishing all kinds of Metal with the LEAST POSSIBLE LABOR.

MOST useful for Household Articles Musical Instruments, Jewellery, Harness, Sporting Goods, Bicycles, etc. Brilliant St. Antoine not only gives a better polish than any other composition, but the articles cleaned retain their brightness longer than if any other substance is used. Try it and you will see!

—MANUFACTURED BY—

THE VICTORIA CHEMICAL WORKS CO. MONTREAL



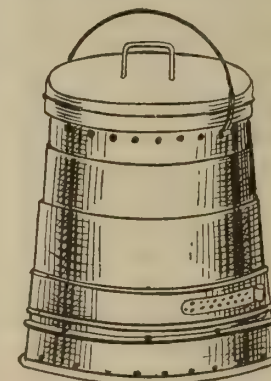
We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and Copper Finish.

ALL SIZES IN STOCK. SEND FOR PRICES.

H. R. IVES & CO., Montreal.



Mosquitoes, Black Flies, etc., are kept away with SMOKE, from Wood, Bark, Twigs, etc., smouldering in The Patent Folding

"SMUDGE-STOVE"

Only weighs 14 oz. Folds up 4¼ x 3¼ inches. When well lighted, wood will smoulder or smoke in this stove for four hours. Everyone wants it. Keep them in stock. Price \$12.00 per doz. Ask your wholesaler for them.

HENRY IEVERS, Patentee, - QUEBEC

WALL PAPER FOR HARDWAREMEN.

AS many dealers handle wall paper, they will be interested in the following descriptive article of M. Staunton & Co.'s new line for 1899 :

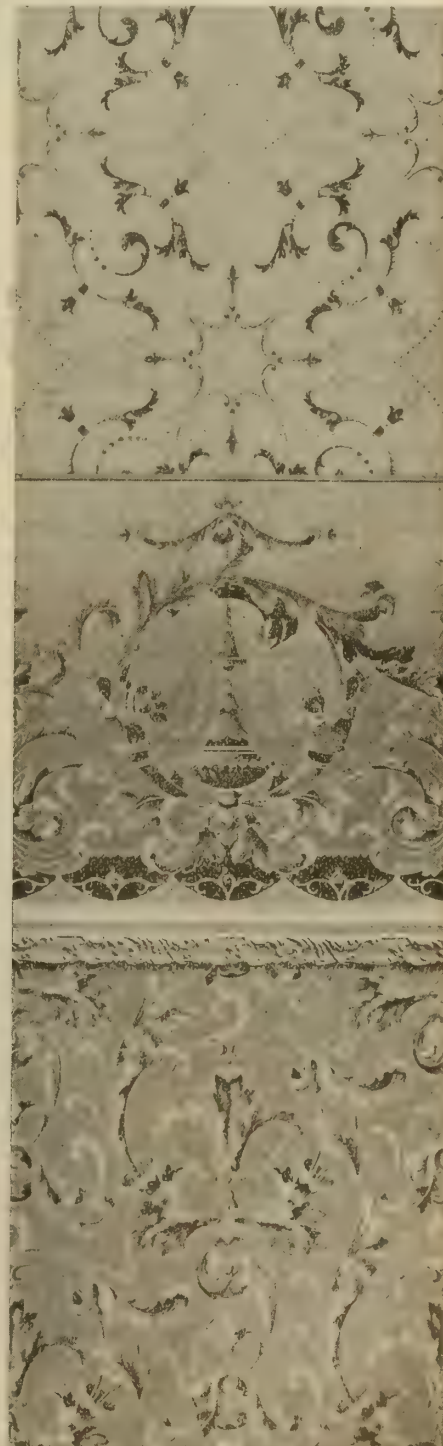
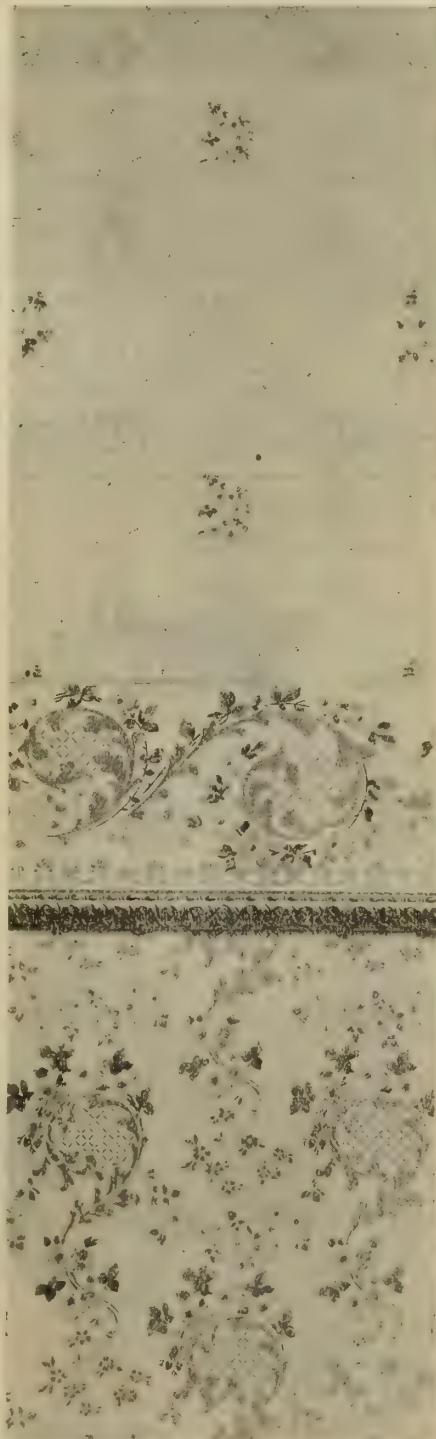
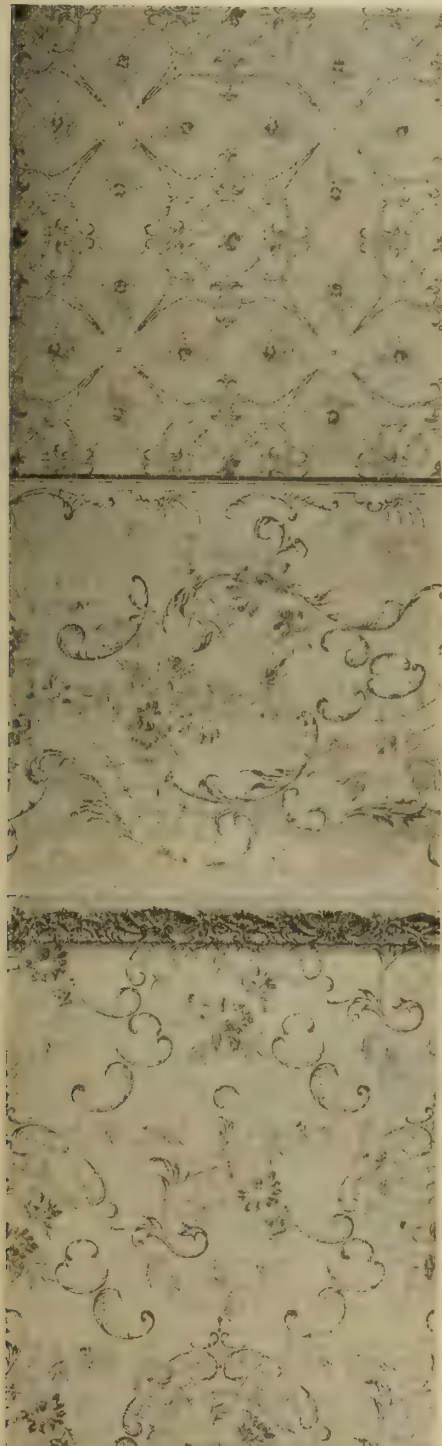
The new line of wall papers, for 1899, by this firm, is now ready for the wall paper dealers of Canada. The custom of the firm is to prepare each season's line after a careful study of the designs and colorings that, by large sales, are found to be popular, and, at the same time, they embody all the new ideas of the foremost artists which are adaptable to the Canadian trade. The

result is a line of goods that speak for themselves. These features are characteristic of the line for next season, which has already been shown to some of the largest buyers in the country. Some exceptionally large orders have been placed, and the firm have been complimented on their efforts in producing a line of wall papers which surpasses, both as regards patterns and coloring, anything they have heretofore shown. In fact, the standard reached is, in respect of variety and attractiveness, a high one, and the line possesses every essential feature required in a first-class stock.

This season, the tendency towards the

deeper and richer shades of color continues, and many lively creations in blues, greens, reds and browns are observable, but the popular demand has not been forgotten for light, bright papers, in the more delicate tones, suited to parlors, bedrooms, etc., and the selection of these is large and well chosen. The trade appear to appreciate the very excellent values given heretofore by M. Staunton & Co., in their very cheapest grades or ungrounded papers, and the new range of attractive designs in bright and catchy coloring in these goods will, doubtless, increase their reputation.

On the ungrounded goods this year stil



THREE OF M. STAUNTON & CO'S NEW DESIGNS FOR 1898-1899.

further reductions in price are recorded. This also applies to grounded goods, several lines of which are being shown at figures hitherto unheard of in Canada, the firm being determined to meet both domestic and foreign competition: in fact, their goods have been priced with the distinct purpose of selling Canadian goods to the dealer at considerably lower prices that he can import for. While the prices are low, the character and quality of the patterns have been kept in advance of the usual standard for these goods.

SOME OF THE NEW PAPERS.

HARDWARE AND METAL has been allowed to look over the new samples. It would be impossible to give a detail account of all the designs. Reasons of space forbid more than a brief general mention of the leading features, so that the dealer may make a point of seeing the Staunton line before stocking up. Book One contains the ungrounded papers, and it is hard to realize that such attractive goods can be sold at such low prices. All the papers this year made by M. Staunton & Co., it may be mentioned, will be 8 yards long, with the single exception of ungrounded papers, a step decided on with the feeling that this consults the wishes of a great majority of the trade. After Book One follow several books of grounded white blanks. In turning over the samples designs for all classes of rooms, both for public and private buildings, are seen. Borders to match them are shown in widths of 6 in., 9 in. and 18 in. In Book Four are a number of patterns with blended friezes, both in 9 in. and 18 in. widths. The patterns are colored in excellent taste, two colorings of No. 1245 being especially noticeable, one being on olive and the other a rich green.

Another pattern noticed (No. 1276) seems also destined to be a large seller, and orders for large quantities are being placed. One of the grounds is a shade of green, that was very successful last year, and the pattern itself is brought out in telling effects. No. 1264 is an exceptionally pretty chintz effect, delicate colorings for bedrooms. A very pretty two-color scroll effect is shown in different colorings, and is already going well. This is No. 1256. Then, there comes one of the firm's leaders in their white blanks, namely, a graceful arrangement of the chrysanthemum, combined with a rococo treatment as a background. The artist, in this design, has so skilfully drawn it as to produce a telling combination in color, while the design itself is more original in that it departs from the bunch or spray effect in which this flower is usually employed in wall papers.

LOW PRICED GILTS.

These are shown in several grades, and

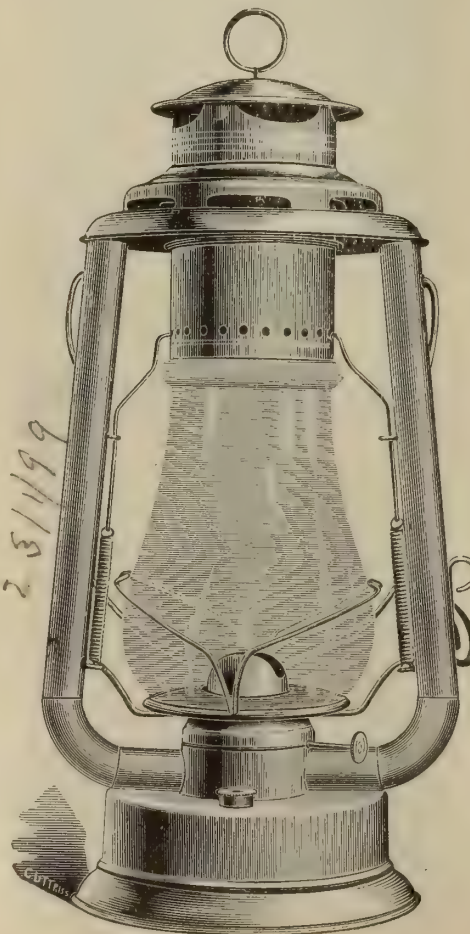
there is not a coloring among them which has not special merit. They can be retailed from 7 to 10c. The firm are showing about fifty per cent. more patterns in gilts on 10-oz stock than last year, and some exceptionally rich and beautiful colorings are to be seen in these goods. It is noticed that care has been taken that the ceilings for these rich colored walls, while having the same tones, are much lighter, so as not to give a sombre, heavy appearance to the room where they are hung.

In the better grades there are a number of patterns not reproduced in cheaper lines, thus enabling the dealer to get a little extra profit. Among these, No. 1248, the back ground effect is brought out in mica and gilt, a floral spray tastefully drawn being introduced. Another design, which has caught the attention of dealers, who have thus far seen it, is a pattern arranged in squares, the design being a tasteful foliage treatment.

We now come to 22-inch goods, the patterns in which are above the average of merit. The first design is a Romanesque scroll (1243), with a handsome, one-band, blended frieze and an artistic ceiling, the colorings all commendable. The blended effects produced by the firm this year show the most superior workmanship, the change in the gradation of color being imperceptible. Another, on gold-blue ground, catches the eye, while a third has an old gold ground, the flowers being of pink and blue. A distinctively parlor pattern is No. 1240, in which the artist has cleverly embodied the Japanese rose. The design is

fairly large, but the tones are soft, so as to give a subdued, yet rich, effect. No. 1277 G.G. is a fine Moorish pattern, and is to be seen in the embossed books, of which there are several. Attention should be called, in passing, to the special fancy embossed patterns. One of these is a striking effect in bronzes, and would make a very handsome room. No. 1249 is a conventional design of the best type for libraries or dining-rooms. Among the fancy embossed papers is an exceedingly rich scroll treatment on a crimson ground. The extra values in these goods this year will give a progressive dealer goods that will equal any previously manufactured, but at much reduced prices. In the ingrain papers, an interesting new range of shades is shown; there is not an old coloring among them. The ingrain friezes of this firm have, in the past, always made good sale, and this year they are so far in advance of previous efforts that a large trade is assured. Their special 22-inch ingrain friezes will be hard to beat, so that dealers who have hitherto looked to the American lines for these goods will now find that they can procure equally artistic goods in Canada at considerably lower prices.

The firm invite the trade to confer upon them the favor of inspecting their line of goods, which will surely interest them, and which is now being shown by travelers in all the Provinces. Some half-tone reproductions of some of their new patterns are illustrated in this issue, but, of course, these lack the effect of the exquisite colorings which the goods are produced in.



We are Now Ready to Supply

Royal Cold Blast Tubular Lanterns

with Safety Extinguishing Burners

which makes the "Royal" the most perfect and valuable Cold Blast Lantern ever offered.

Self-Extinguishing. No Smoke. No Smell. Strong Light. Windproof.

To put out the light, turn down the wick as far as it will go and it is extinguished at once. It is impossible to turn the wick down into the oil pot. No crusting of the tube, and leaves the wick ready for relighting, therefore it is not necessary to trim the wick with scissors or any process.

ABSOLUTELY SAFE. It is impossible for the lantern to explode, and is therefore strongly recommended by all insurance companies.

We also make Banner Lamp Burners with this Safety Extinguisher.

For sale by all prominent Hardware and Lamp Goods Houses throughout the Dominion.

Manufactured by

THE ONTARIO LANTERN CO.
HAMILTON, ONT.

WALTER GROSE - MONTREAL
Sole Selling Agent.



VanTuyl & Fairbank
Petrolia, Ont.
Headquarters for...
**Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.**

SPORTSMEN

NOTE

THE ABBEY IMPROVED CHILLED SHOT
NEWCASTLE, ENGLAND.

Is made by a NEW PROCESS, and is highly spoken of by Sportsmen and Sporting Papers. Kills at greater distance than Soft Shot. Gunmakers wishing repeat orders should load with this shot.

**The Portland Rolling
Mills Co., Limited**

Manufacturers of

Refined Bar Iron
Railway Spikes
Pressed Spikes
Nails and Tacks
"Diamond" Brand Horse Shoes

ST. JOHN, N.B.



ONE
DOLLAR
A
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Sample
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Free

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D. T. Mallett
Publisher
271 Broadway
New York



**"JARDINE"
TIRE UPSETTERS
WILL UPSET TIRES**

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

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PROMPTLY SECURED**

Write today for a free copy of our interesting books "Inventors Help" and "How you are swindled." We have extensive experience in the intricate patent laws of 50 foreign countries. Send sketch, model or photo. for free advice. **MARION & MARION,** Experts. New York Life Building, Montreal, and Atlantic Building, Washington, D. C.

PARIS ELECTRO PLATING CO.

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings, Piano Stool Feet, Novelties, etc. Bicycle Work a specialty. Special attention given to Job Work of all kinds in Brass and Nickel Plating.

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.

It Leads Them All.

Where accurate weighing is required use

**Gurney Standard
Scales.**

FULL LINE OF

WAREHOUSE (Portable or Dormant)

HOPPER SCALES

DAIRY SCALES, COUNTER SCALES

WAGON SCALES

TRACK SCALES

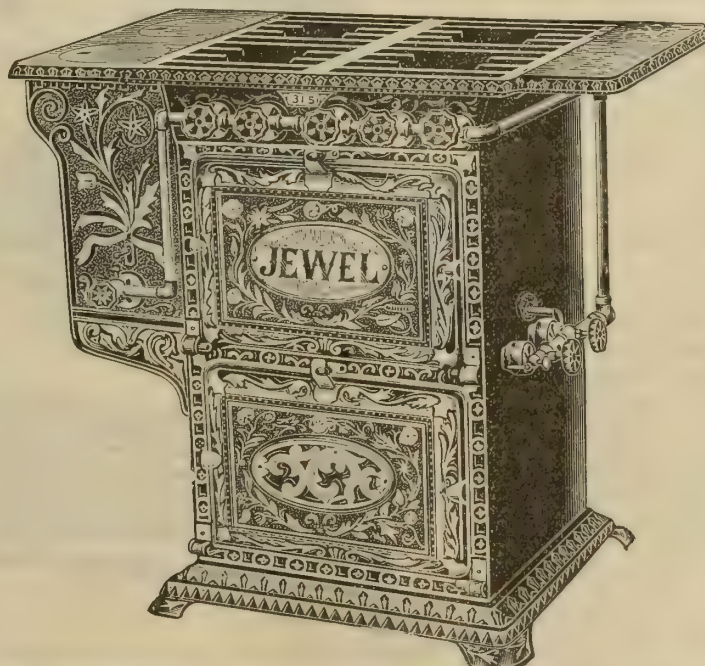
THE GURNEY SCALE CO., - Hamilton, Ont.

WALTER GROSE, 30 St. Dizier St., Montreal, Que.

Agent for Montreal and Eastern Provinces.

Jewel Gas Ranges

Improved Slotted Burners with Removable Thimble Cap.



Well known as the most perfectly fitted, most efficient, and successful and most economical

MADE IN

10
STYLES.

Roasting and Baking Ovens—with or without Extension for heating

**Hot Water
Boiler.**

Manufactured by

The Burrow, Stewart & Milne Co., (Limited) Hamilton, Ont.

CANADA'S GREAT EXPOSITION.

Many new and interesting features will be offered at the Toronto Exhibition this year, which is to be held from August 29 to September 10. The entries in all departments will be great, and the attractions offered will be of a character to draw. Among the many will be realistic representations of the present Cuban-American war, the blockade, the bombardment and battles of Santiago, or Havana, firing and explosion of shells, explosion of submarine mines and blowing up of vessels on the lake in front of the exhibition grounds, exhibition by Maxim and Gatling machine-guns, etc., all of a specially interesting nature at the present time. The programme of attractions promises to far excel that of last year, which is saying a good deal. The exhibits will include many from Great Britain, France and the United States, whilst almost every section of the Dominion will be represented.

PAINTS FOR THE KLONDYKE.

It has been said of the North Pole that if it is ever located there will be found a Scotchman rubbing his back against it, and exclaiming: "God bless the Duke of Argyle." **HARDWARE AND METAL** has several times witnessed and recorded the aggressiveness of The Canada Paint Co., but probably no more striking evidence of its aggressiveness has been presented than the copy of an invoice just received for 120 packages of paint shipped by this company from its factory per ss. Portland to Dawson City via St. Michael's.

The "Elephant" brand has been in evidence in most of the world's markets, and its appearance in Dawson City will doubtless bring back many a pleasant memory to some banished one who has been accustomed to use it for titivating things "at home." The fact speaks well for the approach of comfort in the Klondyke centre. As a large portion of the order is for floor paint, the intention is, evidently, not to "paint the town red."

U. S. FLAX CROP.

In common with most other cereal products, the flax crop, which in this country is grown for the sake of the seed and not for the fibre, this year promises an abundant yield. Confined, as the culture is, almost entirely to that section of the United States west of the Mississippi and north of Arkansas and Oklahoma, the greatest attention and the heaviest acreage is devoted to it in the States of North and South Dakota, Minnesota, Iowa and Kansas. The Daily Commercial Record, of Duluth, estimates the area in flax this year in the eight leading producing States at 1,600,000 acres, a gain of 207,000 acres over last year, and on the basis of an average production per acre equal to that of 1897, 9.64 bushels, this would result in a yield of 15,429,000 bushels.—Bradstreet's.

We Lead in Axes

Our travellers are now taking axe orders for fall delivery. Our "Buffalo Bill" Axe is the best seller on the market. Reserve your orders for our travellers.

James Warnock & Co.

GALT, ONT.

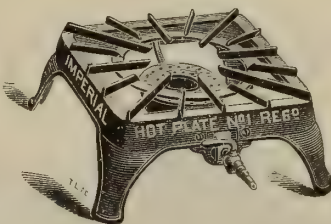
Henderson & Potts

NOVA SCOTIA PAINT AND VARNISH WORKS.

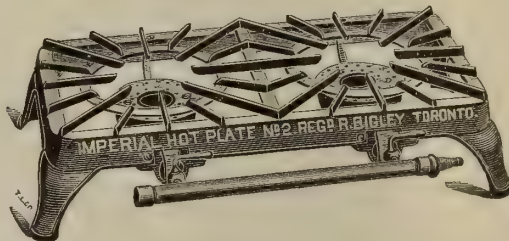
Sole Agents for the Dominion for



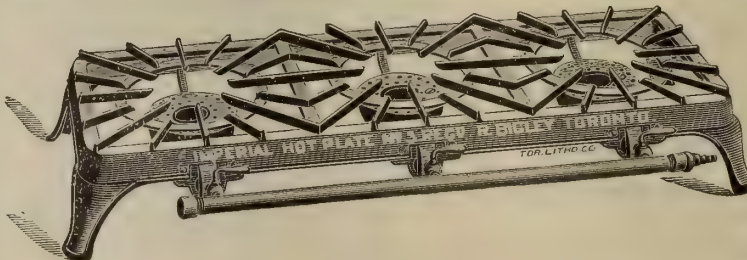
HALIFAX, N. S., and 747 CRAIG STREET, MONTREAL.



SIZE 10 x 10.



SIZE 10 x 20.



SIZE 10 x 30.

IMPERIAL

Gas Stoves.

THESE Stoves are up-to-date in every respect. They are strong and durable, and fitted with convex burners. A sample will convince you of their many advantages.

Send for CATALOGUE.

Manufactured by

R. BIGLEY, 96 and 98 Queen St. East, **TORONTO**

THE POSTAGE STAMPS OF CANADA.

THE difficulties of internal communication in British North America about fifty years ago can hardly be realized now by the person who has become accustomed to the use of the telephone, the telegraph, the railway, and our admirable postal system. Then the most expeditious method of sending messages or traveling

to obviate the difficulty that might arise from the use of unstamped paper. Stamped envelopes and adhesive stamps had been in use locally in the United Kingdom and the Continent many years before 1837, but for national use stamped covers date from May 1, 1840, when they were first used by the post offices of the United Kingdom.



THE FIRST CANADIAN STAMPS.

Issued April 6, 1851; 3d. red, 6d. purple or black lilac, 12d. black. The last is the most valuable of all Canadian stamps, a good specimen being worth from \$300 to \$400.

was by steamboat or stage coach in summer, and by sleighs in winter. In 1853 it took ten and a half days for a letter to go from Quebec to Detroit; in 1857, after the completion of the Grand Trunk Railway, it took but 49 hours.

The postal accommodation was poor and the rates of postage were excessive. Just previous to 1850 the rate on a single letter (without an envelope), not exceeding one-half ounce in weight, was 4½d. currency for 60 miles and under; 6d. for 60 to 100 miles, and it increased in about this proportion. The cost of sending a letter from Montreal to Toronto was 1s. 1½d. Between the Provinces and the United Kingdom the uniform charge was 1s. 2d. sterling, or 1s. 4d. currency per ½ ounce. For newspapers ½d. was the lowest rate. Notwithstanding the high rates charged, the revenue of the Post Office Department was comparatively small, because few letters were written and payment of postage was avoided by the sending of letters with friends traveling to the place to which the letters were addressed. The carrying of letters by private persons was punishable by a fine, but, nevertheless, it was extensively practised until the rates were lessened.

In February, 1837, Mr. (afterwards Sir) Rowland Hill published his famous pamphlet, "Post Office Reform." In it sweeping changes in the management of the Post Office Department of the United Kingdom were first publicly advocated. The most important recommendations were, a uniform rate of postage (prepaid) of one penny, within the United Kingdom, for letters not exceeding ½ ounce in weight; and that "stamped covers and sheets of paper be supplied to the public from the stamp office or post office at such a price as to include the postage." The general use of adhesive stamps does not appear to have formed part of the original scheme, but was a suggestion

These stamped covers, known as the "Mulready envelope," were, in a few days, rejected by the public, and adhesive stamps almost wholly used.

At this time the post offices of the British North American colonies were under the control of the Postmaster-General of Great Britain, and neither the boon of cheap postage nor the use of postage stamps was granted to these colonies for some years, although asked for. The initiative appears to have been taken by Nova Scotia. The post office commissioners of that colony, in 1844, recommended the use of postage stamps in the colony, and petitioned the Postmaster-General of Great Britain to issue them. This petition was unheeded, but when notice was again called to it, the Government of the United Kingdom refused to grant the request, giving as an excuse that the stamps might be forged, the forgers would probably



THE JUBILEE DESIGN.



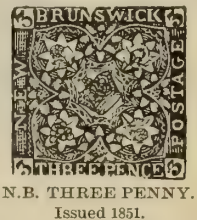
THE SECOND ISSUE OF CANADIAN STAMPS.

The 10d. was issued in 1854, and the other two in 1857.

escape and a loss would be incurred. It took more than a polite refusal to repress the public men of those days in their agitations for reforms, particularly when reform appeared so necessary, and the reason for not granting it so trivial. A few years later all the British North American colonies joined in a demand for colonial management of the post office, and offered to account to the Postmaster-General of the

United Kingdom for all letters going to or by way of the United Kingdom. The combined requisition stirred the Imperial Government to action. The time was opportune. A new colonial policy was to be given a trial. The leading men in the Imperial Parliament were beginning to recognize the fact that to retain the affections of the colonies a greater measure of self-government would have to be granted them. Consequently when petitioned on post office affairs, an Act was passed by the Imperial Parliament in the twelfth and thirteenth years of the reign of Her Majesty Queen Victoria, entitled "An Act for enabling Colonial Legislatures to establish Inland Posts."

After a great deal of correspondence between the various colonial Governments, an agreement regarding post office management was arrived at, and an Act was passed by the Legislature of each of the colonies of Canada, New Brunswick, Nova Scotia and Prince Edward Island on the lines of the agreement. The respective Acts were approved by the Imperial Government, and became law in each colony in 1850 or in 1851.



N.B. THREE PENNY.
Issued 1851.

The main provisions of the Post Office Acts of each colony as to rates and stamps were as follows: The rate of postage on all letters from one place to another within the four colonies to be 3d. currency for ½ oz. or under, and for a letter over ½ oz. and not over 1 oz. 6d., and so on at the same rate; letters posted in the colonies addressed to the United States, except to California and Oregon, to be rated at 6d. currency, or 10c. per ½ oz.; to California and Oregon, 9d., or 15c. per ½ oz.; the rate to Newfoundland, 7½d., 3d. inland and 4½d.

packet per ½ oz.; from Nova Scotia the packet rate to be 5d.; the rate to the United Kingdom via United States by weekly closed mails, 1s. 2d. sterling, and via Halifax, semi-monthly, 1s. per ½ oz. The equivalent currency rate was different for each colony. In all the above cases prepayment was optional.

The Acts of all the colonies except Prince Edward Island, provided for the issue of

postage stamps as an evidence of prepayment.

Sir Edmund Head, Governor of New Brunswick, suggested that the stamps of each colony should be of similar design. This suggestion was not followed by Canada, but it is a probable explanation of the likeness existing between the first issue of the stamps of Nova Scotia and New Brunswick.

CANADA.

The Act establishing the rates of postage previously enumerated was passed by the

had to be cut or torn apart. In 1858 the ½d., 3d. and 6d. were issued perforated.

In 1859 the Decimal System of Currency was introduced, and this necessitated a new issue of stamps in this system. They were of values: 1c., 5c., 10c., 12½c and 17c. These stamps were similar in design to equivalent values in the old currency, and do not call for any minute description. It is worthy of note though that the sterling designation is retained in the 12½c. and 17c., from the fact that these stamps were

NEW BRUNSWICK.

The Legislature of New Brunswick passed an Act establishing inland posts on April 26, 1850, and an additional Act on March 15, 1851. These Acts were still further defined by regulations adopted on July 7, 1851, the date upon which the new Acts came in force. The stamps authorized by the Act were issued on Sept. 6, 1851. They were of three values—3d., 6d. and 1s. They are diamond shaped, and similar in design. These were the only stamps issued before the decimal currency came into use.

For prepaying postage by stamps to the United Kingdom, Newfoundland, or United States, the device of bisecting the stamps



THE FIRST CANADIAN STAMPS UNDER THE DECIMAL SYSTEM.

Legislature of Canada in 1850. The Act provided for the issue of stamps of three denominations, 3d., 6d. and 12d. They were issued to the public on April 6, 1851. The 3d. is red or red-brown in color, and is popularly spoken of as the "three-penny beaver." This stamp was designed by Sir Sanford Fleming, who, I believe, has the original proof in his possession. The 6d. stamp is purple or black lilac in color, and bears the picture of the Prince Consort. The 12d. is black in color and bears the picture of the Queen. Only about 1,500 of this last stamp were issued, and it is, consequently, the rarest and most expensive of all the Canadian stamps, a perfect specimen being worth from \$300 to \$400. The manner in which the value is expressed on it is not an error, as might be supposed, from it being officially called a "shilling." There were shillings of different values in circulation in various parts of the colony, and to more definitely describe the value of it "twelve pence" was used instead of "one shilling." This last stamp was withdrawn when the 10d. stamp was issued on December 5, 1854. The 10d. was issued to prepay postage to the United Kingdom, the rate per ½ oz. via the United States having been reduced to 8d. sterling or 10d. currency. Although the letter rates per ½ oz. to the United Kingdom were reduced to 10d. via Cunard packet and 7½d. via Canadian packet in 1854, the public did not have the convenience of a 7½d. stamp until Aug. 1, 1857. On this date a ½d. stamp was also issued.

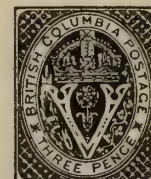
These stamps were all imperforated, and

used to prepay postage to the United Kingdom. On Aug. 1, 1864, a 2c. stamp was issued similar in design to the 1c. It was used to prepay "prices current" and periodicals to the United Kingdom. These stamps were used until Confederation. Those issued then will be described after those of the other colonies.

On Feb. 10., 1860, stamped envelopes were issued of the values of 5c. and 10c. The post office authorities saw that the vital principle of the system of uniform



SOME OF THE NEW BRUNSWICK ISSUES OF 1860.



THE ISSUES OF VANCOUVER'S ISLAND AND BRITISH COLUMBIA.

postage was prepayment, and to secure this end they issued stamped envelopes and had recourse to a system of fines. Letters to the United Kingdom, if not prepaid, were fined 6d., that is, the receiver had to pay the regular rate and 6d. additional. Between any two points in Canada the rate per ½ oz., if prepaid, was 5c., but if paid by the receiver of the letter 7c. was charged.

THE N.S. PENNY AND SHILLING.

on hand was resorted to. These bisected stamps are called "provisionals." The diagonal bisection of the 3d. was the most common. This does not appear to have been authorized by the Post Office Department, as in Nova Scotia, but the practice was evidently not discountenanced.

On April 9, 1860, an Act changing the currency was passed; a clause in it specified that it was to come in operation on Nov. 1. The Postmaster-General, Hon. Chas. Connell, anticipating the change, had ordered stamps of the values of 1c., 5c., 10c., 12½c. and 17c. These stamps were received early in 1860, but it was found

that the 5c. stamp bore the picture of Mr. Connell. This was considered irregular by the other members of the Council and the Governor, Hon. J. H. T. Manners-Sutton; consequently the Provincial Secretary, Hon. S. L. Tilley, on May 27, informed the Postmaster-General that he had received notice from the Governor that the stamps should not be issued till approved of by the

Governor-in-Council. The 5c. stamp was not approved, and a new one was ordered, to bear the picture of the Queen. On May 18, a memo. was addressed to the Governor by the Executive Council, asking him to approve of and to order to be distributed all the values but the 5c. This angered Mr. Connell, and precipitated his resignation on May 19, 1860. From what I can learn I believe that none of the "Connell" stamps were used regularly.

In 1863 the 2c. stamp was issued. This



THE P.E.I. PENCE ISSUES.

stamp was for the purpose of prepaying postage on a letter mailed and delivered in the same county, the rate having been reduced from 5c. All stamps of the cents issue were perforated and were in use until Confederation. The 10c. stamp and the 2c. stamp have been found bisected and used for half the value of the whole stamp.

NOVA SCOTIA.

The Act establishing Inland Posts in Nova Scotia became law by proclamation on June 17, 1851. Stamps were issued on Sept. 1, 1851, of the values of 3d., 6d. and 1s. These stamps are of the same diamond shape, size and design as those of the first issue of New Brunswick, and were printed on bluish paper.

In the first month of 1853 a 1d. stamp was issued to facilitate prepayment of postage on drop letters in Halifax, and to help to make up exact amounts in prepaying postage to Newfoundland and the United States. In 1854, when the rate per half oz. to the United Kingdom was reduced to 7½d. currency, to save expense, no new stamp was issued, but authority was given to bisect diagonally the 3d., calling each half 1½d. Although the 3d. was the only stamp authorized to be bisected, the other values were similarly treated, and the 6d. and shilling were quadrisectioned.

These stamps were imperforated, and continued in use until one month after the introduction of the new stamps in the Deci-

mal System, on Oct. 1, 1860. The new stamps were not ready on Jan. 1, 1860, when the coinage was changed, and great confusion resulted from trying to adapt the old stamps to the new system. The issue of these stamps marks the introduction of compulsory payment of postage. The values of these stamps were 1c., 5c., 8½c., 10c., and 12½c.

On May 11, 1863, "The County Postage Act" came in force; by it, the rate on letters mailed and delivered in the same county was reduced from 5 to 2c. On the above date a 2c. stamp of the same design as the 5c. was issued. The 5c. and the 10c. are met with bisected. The cents issue were perforated, and were the last stamps issued by Nova Scotia.

PRINCE EDWARD ISLAND.

The Legislature of this colony passed "An Act to Provide for the Transfer of the Management of Inland Posts" on May 18, 1851. As previously stated, the Act did not provide for the issue of stamps, and it was not until March 9, 1860, that the Act was amended to provide for their issue. As a result a 2d. stamp, a 3d. and a 6d. were issued on Jan. 1, 1861. The 2d. and 3d. were authorized to be bisected diagonally.

About May 1, 1862, a 1d. and a 9d. were issued, and during the last months of 1867 a 4d. stamp.

On June 1, 1870, the letter rate per half oz. to the United Kingdom was reduced to 3d. sterling, or 4½d. currency, and to prepay this rate a stamp of this value was issued. This stamp has a full-face view of the Queen's head, while all the others bear the profile view. In 1871 the currency was



THE FIRST ISSUE AFTER CONFEDERATION.

changed, and in 1872 a new set of stamps, in the decimal system, was issued of values of 1, 2, 3, 4, 6 and 12c. These were in use about a year, Prince Edward Island entering Confederation on July 1, 1873.

It may be of interest to know that the original dies and plates of the 1d., 2d., 3d., 4d. and 9d., 1c., 3c. 4c. and 6c. were purchased at auction from the successors of Messrs. Whiting, who were the designers

and printers of these stamps, by a Mr. Tuer, a collector of objects pertaining to printing. Mr. Tuer had large offers if he would sell unconditionally, but refused, and finally disposed of them to Messrs. Tilleard and Garth, who presented them to the London Philatelic Society. This is a guarantee to collectors that the dies will not be used for any illegitimate purpose.

VANCOUVER ISLAND AND BRITISH COLUMBIA.

Vancouver's Island was constituted a



THE P.E.I. CENTS ISSUES.

colony in 1849, and remained as a separate colony until 1866. In 1857 gold was discovered on the mainland, and in the next year a part of it was formed into a colony, called British Columbia. In 1856, Sir James Douglas, chief factor of the Hudson's Bay Company, was appointed Governor of Vancouver's Island; and in 1858, when British Columbia was made a colony, he was appointed Governor of that also. He held the dual position until 1864. That the

executive of both colonies was practically the same accounts for the fact that the first stamp issued was for both colonies. Its value was 2½d., and it bore the picture of the Queen's head in profile to the left, "British Columbia" above, "Vancouver's Island" below. It was issued in 1861, and continued in use until 1865. Some were imperforated and some were perforated. From this date till their union, in 1866, each colony had different stamps. Those of Vancouver's Island were a 5c. rose and a 10c. blue. The stamp in use in British Columbia was a 3d. blue.

After the union of the two colonies and the introduction of the decimal coinage, sheets of stamps printed from the same plate as the one last described were surcharged with the value in cents. These stamps continued in use until July 20, 1871, the date on which British Columbia became a Province of the Dominion.

It is rather a curious and interesting incident that any British stamp should do duty

alongside of a United States stamp, but abundant evidences are to be seen of this. When, in the early '60's, and before there was an all-Canadian route to the Pacific, letters were posted in British Columbia, via San Francisco, with British Columbia stamps; on reaching San Francisco they were again stamped with United States stamps and sent on their way, the San Francisco office charging British Columbia with this additional postage. In many cases the United States stamps completely covered those of British Columbia, and on old correspondence surprises sometimes result, for on removing Washington's picture one may possibly find that of our Queen beneath, the United States stamp having been pasted over the British stamp at San Francisco.

THE DOMINION OF CANADA.

The confederation of the Provinces of Canada, New Brunswick and Nova Scotia, on July 1, 1867, was made the occasion of a new issue of stamps. The first Dominion of Canada stamps issued were: 1c. for newspapers; 2c. for "prices current" and periodicals for the United Kingdom; 3c. for ordinary Dominion letters and those of Prince Edward Island; 6c. for letters to United States; 12½c. for letters by Canadian Packet; 15c. for letters by Cunard Packet. Home talent was patronized in the production of these stamps. They were designed, engraved and printed by the British American Bank Note Co., of Montreal and Ottawa, and, although there is little variety of design, they are a very creditable production. These stamps were put in circulation in March and April, 1868. Shortly after this the ½c. stamp was issued for the purpose of prepaying postage on periodicals sent singly, and less than one ounce in weight. The rate to the United Kingdom by Canadian mail steamers was reduced to 6c. in 1870, and to 5c. in 1875. To facilitate prepayment of this last sum a 5c. stamp was issued on August 1, 1875.

As the supply of those stamps was exhausted they were replaced by others very similar in design and approximately the same colors, but smaller in size.

The 12½c. stamp was not replaced by another of the same value, as there was no necessity for it. In 1837 a 10c. stamp was issued. In 1893 the registration rate to local points, to the United States, and to the United Kingdom, was made uniform, 5c., and might be prepaid by any stamps whose total value was 8c., 5c. for registration and 3c. for postage. To facilitate prepayment by one stamp, an 8c. stamp, not a registration stamp, was put in circulation.

In 1875 a 2c. registration stamp, to prepay registration rate in Canada, a 5c. to United States, and an 8c. to the United

Kingdom had been issued. The registration rate was additional to postage rate and could be prepaid by registration stamp only.

Post cards were first issued for the convenience of the public in 1871. Several designs and sizes, value 1c., have been issued since, and in addition a 2c. card for writing to places in the United Kingdom has been in use since 1877. A double card (reply) for use between places in Canada has been in use since 1882.

Envelopes of the value of 1c. and 3c. have been in use since 1877. A few years ago, when the rate for letters, posted in cities to be delivered in the same city provided with a regular delivery system, was increased from 1c. to 2c., an envelope of the value of 2c. was provided. In 1893 letter cards of the value of 2c. were issued, and later of the value of 2c. Comparatively few envelopes or letter cards were used, the public evidently not appreciating their convenience.

One cent wrappers for newspapers are more generally used than stamped envelopes, and have been in use since 1875.

THE JUBILEE STAMPS.

In June, 1897, the close of the 60th year of the reign of Her Majesty Queen Victoria was celebrated. To commemorate this momentous event, Canada, as well as many of the other colonies, issued a new set of stamps. The stamps of Canada have the portrait of the Queen in 1837 and 1897 in ovals. They are all of the same design. The values are:

½c.	1c.	2c.	3c.
5c.	6c.	8c.	10c.
15c.	20c.	50c.	\$1
\$2	\$3	\$4	\$5

The honor of suggesting an issue of stamps to commemorate the Jubilee largely belongs to the Toronto Philatelic Club, which passed a resolution on the subject. Along with this resolution was transmitted a paper on the value of the study of philately and a suggestion that the designs of the various stamps should indicate the resources, the beauties, the emblems and the important events in the history of our country.

It is to be regretted that this latter suggestion was not acted upon as a memento and as a national advertisement. If it had been, the beauty and value of the stamps would have been greatly enhanced. To more fully recognize this it is only necessary to look at the Jubilee issue of Newfoundland, consisting of 14 stamps, ranging in value from 1c. to 60c., each having a different design and each design commemorative of some historical event or personage, or indicative of some colonial sport or industry.

To minutely trace the gradual development of the postal system of Canada from

Confederation until the present time would require the space of a large book. In matters of registration, transmission of money by means of money orders, the institution of a savings bank department, the free carriage of newspapers and other periodicals from the office of publication and the reciprocal arrangements with nearly every country in the world, the postal system has made giant strides. At the present time the Postmaster-General's Department is one of the most important in the public service as regards the revenue produced and the wide grasp of the subject that the head of the service must have.

Taking a retrospective glance at the various stamps of Canada and associating them with the various circumstances that caused their issue, we cannot fail to recognize that each issue marked a distinct advancement in the facilities for communication between the people of the colonies themselves as well as between the colonies and the Mother Country. Macaulay has well said:

Of all inventions, the printing press and the alphabet alone excepted, those inventions that abridge distance have done most for the civilization of our species. Every improvement of means of locomotion benefits mankind morally and intellectually as well as materially, and not only facilitates the interchange of the various productions of nature and art, but tends to remove national and provincial antipathies and to bind together all branches of the human family.

The benefits to be derived from the recently proposed cheapening of the letter rate between all places in the British Empire are of vital importance to the Empire as a whole, and particularly to Canada. It is hoped that the promoters of the scheme will bring to a successful issue a plan so fruitful of good to the people of the Empire.

It is a remarkable fact that Governments are very slow to move in any matter that tends to preserve in some form those things that throw most light upon the past events of the country. It is only of recent date that the archives branch was established at Ottawa by the Government of Canada. The irreparable loss sustained by not forming such a branch earlier is quite evident to anyone reading the able reports of the Archivist, Dr. Brymner. Good work is now being done by the Legislatures and the Government of Canada is collecting everything that is valuable in shedding light upon the past. I am not aware that the Government has done much in the way of preserving the various issues of stamps of the country. It is not yet too late to make a beginning, and it is hoped that an effort will at once be made by the authorities to get together a comprehensive collection of the various stamps issued in the Dominion of Canada for revenue and postal purposes.—A. C. Casselman, in *The Canadian Magazine*.

FAIRBANKS

Standard

SCALES

Looks
familiar
eh?

It's a Sentinel, and the Picket Line extends around the world, showing the universal use of Fairbanks Hay, Coal and Wagon Scales.

If it looks OLD AND WEATHER-BEATEN it shows that the scale has been used for years and is still doing business at the old stand.

If it is NEW AND FRESH it shows that another wise man has picked out a good thing.

Quality—same as ever—you know. Prices lower.

Write to-day and let us know the size and capacity of the scale you need.

THE FAIRBANKS COMPANY

749 Craig Street

MONTREAL

John Bowman Hardware and Coal Co.

180 to 182 York St. - LONDON, ONT.

Screen Doors

Woven Wire

Poultry Netting

Fence Wire

Paris Green

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Full stock of seasonable goods. Prompt shipment. Close prices.

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Iron, Steel,
Brass and
Copper ..

WIRE

WIRE NAILS and WOOD SCREWS

BRIGHT WIRE GOODS

STEEL and BRASS JACK CHAIN

"CRESCENT" COAT and HAT HOOKS

Ask for "Dominion" Goods.

Guaranteed and
SECOND TO NONE.

HEATING AND PLUMBING

MONTREAL PLUMBERS' PICNIC PROGRAMME.

A committee meeting of the Montreal Master Plumbers' Association held last Monday, with the object of completing arrangements for the programme of the picnic on Aug. 6 to Otterburn Park, the following was decided on:

Putting the 50-lb. shot, open; throwing the 16-lb. shot, for members; 220 yards' race, for master plumbers; 50 yards' race, for boys under 8 years; 50 yards' race, for girls under 8 years; 100 yards' race, for boys under 12, open; 100 yards' race, for girls under 12, open; 100 yards' race, for young ladies; 75 yards' race, for members' wives; hop, step and jump, for members; 220 yards' race, for married members; putting 16-lb. shot, for apprentices; 880 yards' race, for tinsmiths and roofers; running long jump, open; 3-legged race, open; 1 mile, open; 880 yards, for clerks, bookkeepers and supply houses; 220 yards, smokers' race; 100 yards, fat man's race; 100 yards, committee race; 2 special races for children under 5 years of age.

At all children's events a prize will be given for every entry. Tug-of-war between masters and journeymen, and a baseball match will be held during the afternoon. About \$400 in prizes will be donated.

PREPARING CONVENTION REPORT.

Mr. Wm. Smith, London, the president of the National Association of Master Plumbers, was in Toronto a few days this week to attend a meeting of the sub-executive committee appointed by the association to prepare the report of the convention held recently in Quebec. It is expected that this report will be issued in about three weeks.

PLUMBING AND HEATING CONTRACTS.

Mr. Markum, plumber, 35 St. Antoine street, has the contract for heating appliances for the Queen's Theatre, Montreal.

Mr. Sadler, plumber of Bluary street, Montreal, has the contract for placing 3 "Daisy" heaters for Mr. Adams, of University street.

Mashinter & Co., Toronto, have the contract for the plumbing of two houses on Jamieson avenue, for J. B. and R. W. Gouinlock.

Fiddes & Hogarth, Toronto, have contracts for the plumbing and gasfitting of two residences on Spadina avenue, Toronto, and for the plumbing of a residence in Weston, Ont.

Bennett & Wright, Toronto, have contracts for plumbing in two residences for Dr. Ryerson, on College street; for the plumbing and heating of a residence for Dr.

Primrose, College street, and for alterations to the plumbing in C. D. Massey's residence, Jarvis street, Toronto.

Mr. Horton, Montreal, has contracts on hand for the following private residences: Ald. Ames, on Ontario street; Mr. G. Boyer, Verdon; Mr. Thomas Jordan, Dorchester street; Mr. Hodson, Westmount; Mr. Sherwood, Pine avenue; Mr. Wright, Columbia avenue, and others.

PLUMBING AND HEATING NOTES.

THE members of the Montreal local union of journeymen plumbers have removed from the hall they occupied on McGill street, near Notre Dame, to more commodious premises situated on St. Catharine street, nearly opposite Christ Church Cathedral.

L. J. Ruth & Co., plumbers and tinsmiths, Leamington, Ont., are advertising their business for sale.

J. T. Aggett, Toronto, has the contract for the plumbing of a residence on Delaware avenue for W. J. Parks, Toronto.

D. A. Demers, Montreal, has the contract for the plumbing and heating of two stores on St. Charles Barromée street, Montreal.

B. Bennett, a plumber in the Goldie & McCulloch shops for some years, and J. Scott, have started a plumbing business in Galt, Ont.

T. Stevenson, manager of The Toronto Brass Co., Limited, has accepted a similar position with a New York firm in the same line of business.

A permit has been granted in London, Ont., to John Pocock for the erection of a two-storey brick residence on the north side of Wolfe street.

Bonin, Desforges & Latourelle, Montreal, have the contract for roofing, plumb-

ing and heating a large three-storey building at Hutcheson.

W. H. McGregor has gone to Peterborough to do some extensive plumbing for Dr. Goldsmith in the house occupied by Dr. Eastwood.—Belleville Sun.

TORONTO BUILDING PERMITS ISSUED.

Building permits have been issued in Toronto to M. Boyd & Co., for additions to 118 and 120 Isabella street, to cost \$1,500; to W. A. Murray & Co., for a one-storey brick stable on the southeast corner of Front and Sherbourne streets, to cost \$1,000; to Elias Rogers & Co., Limited, for a coal shed, engine house and office, on Yonge street, near Shaftesbury, to cost \$2,000; to Fred Doane, for alterations to a carriage shop at 619 Yonge street, to cost \$750; to E. A. Kentel, for a two-storey and attic residence on the south side of May street, near Hill, to cost \$3,000; to Mrs. C. Powers, for alterations to a residence at 28 Carlisle avenue, to cost \$700.

A NEAT AND USEFUL CATALOGUE.

The Massachusetts Fan Co. is sending out catalogues of its ventilating fan wheels. The pamphlet contains several cuts of wheels and other appliances, also valuable information on ventilating and sanitary matters. Dealers who are interested should drop a post card to this company's address: Massachusetts Fan Co., 641 Exchange Building, 53 State street, Boston, Mass.

GOOD THRESHING MACHINE BELTS.

Now that the threshing machine season is at hand, hardware dealers should make a note of the fact that the reputation of the threshing machine belts manufactured by the Canadian Rubber Co., of Montreal, is such that their goods can be depended on. Read the firm's advertisement in this issue.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

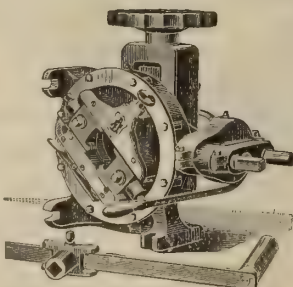
Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.

THE ARMSTRONG MFG. CO.

New York Office.
139 Centre Street

Bridgeport, Conn.



New No. 0 Threading Machine.

The Stevens Mfg. Co., London, Ont.

—CARRY A FULL LINE OF—

IRON PIPE and Fittings, **LEAD PIPE,** **LEAD TRAPS**
and Plumbers' and Steamfitters' **BRASS GOODS.**

— BY USING —

SYRACUSE BABBITT METAL

You will have no trouble with your machinery.

IT WILL NOT CUT NOR RUST.

It is positively the best metal manufactured in Canada or the United States.

Syracuse Smelting Works

SYRACUSE, N. Y.

MONTREAL

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

A MEETING of the creditors of McDonald & Doering, general merchants, Whitney, Ont., will be held on the 26th inst.

Anderson McKeen, tanner, St. John's, Nfld., is offering 45c. on the dollar.

S. McDougall, general merchant, Renfrew, Ont., is offering 40c. on the dollar.

P. Bennette, general merchant, Chambly Canton, Que., has compromised at 50c. on the dollar.

Robert A. Cook, tinware and stove dealer, Watford, Ont., has assigned to George H. Wynne.

Application has been made for winding up the Arrowhead Saw and Planing Mills Co., Limited, Arrowhead, B.C.

James Lunny, lumber agent, Ottawa, Ont., has assigned to W. A. Cole, and a meeting of his creditors will be held on July 27.

E. R. C. Clarkson has been appointed interim liquidator of the Bowmanville Rubber Co., Limited, rubber manufacturers, Bowmanville, Ont.

PARTNERSHIPS FORMED AND DISSOLVED.

Bergeron & Perron, founders, Chicoutimi, Que., have dissolved.

Balfour & Doig, agricultural implement

dealers, Glenboro', Man., have dissolved, Doig continuing.

Harris & Hatfield, tinsmiths, etc., Annapolis, N.S., have dissolved.

Wm. Stevely & Son, stove and tinware dealers, London, Ont., have dissolved partnership, Samuel Stevely continuing.

SALES MADE AND PENDING.

Rattray & Skelding, hardware dealers, Pipestone, Man., have sold out.

S. K. Colquhoun, general merchant, Hartney, Man., is advertising his business for sale.

CHANGES.

M. J. Doyle, saddler, Chatham, N.B., has gone out of business.

A. G. McDonald, blacksmith, Kamloops, B.C., has succeeded James McCab.

The Electric Cloth Cutter Co., of Ontario, Limited, Toronto, have obtained charter.

Brannon & Co., general merchants, Oxford, N.S., have sold out to W. T. Shipley.

John H. Brigham, general merchant, Granite Creek, B.C., has gone out of business.

J. & D. Macnab, general merchants, Claremont, Ont., have retired from business, and have been succeeded by J. & P. Macnab.

Dame Marcelline Legare, wife of Alexis Berthelet, has registered proprietress of A.

B. Berthelet & Cie., carriagemakers, St. Laurent, Que.

FIRES.

W. H. Rediker, blacksmith, Georgeville, Que., has been burned out.

The premises of Paul Parent, tinsmith, Quebec, have been destroyed by fire.

James Morse, blacksmith, Bridgewater, N.S., has been burned out; no insurance.

The Macdonald Manufacturing Co., manufacturers of tinware, Montreal, has been burned out; insured.

David Richards, lumber and sawmiller, Campellton, N.B., has been burned out; loss, \$19,000; insurance, \$10,000.

DEATHS.

James Richards, sawmiller, Kinlough, Ont., is dead.

Thomas J. Sabin, plasterer, Peterboro', Ont., is dead.

J. B. Harlow, general merchant, Caledonia Corner, N.S., is dead.

Terrence Curran, saw and grist miller, West Branch, N.B., is dead.

Wm. Murray, of T. & W. Murray, general merchants, Pembroke, Ont., is dead.

Ask a score of successful merchants what is the secret of success in business and you will probably receive twenty different answers, not because it has a different meaning to each of them, but because so many things are required to insure success. But, if they all were asked to put the answer in one word, most of them would probably say "advertising."—Merchants' Review.

LULL IN THE LUMBER TRADE.

The lumber shipping this season from the Ottawa district is, according to a correspondent, considerably below that of last; that is to the United States market. The amount of deals and first-class lumber being shipped across the Atlantic rather exceeds that of last season. The local firms are shipping in small quantities to retail dealers on the other side of the line, but the market on the whole is in rather a stagnant condition, owing to the excited state of the country over the war. Several of the dealers on this side state that until the war is over they will have to carry the largest part of their stock, as it is almost impossible to find a sale on the other side. The cut in the Ottawa district this year will be about one-third less than that of last season, owing to the shrinkage in the demand. On the whole, as an old lumberman remarked the other day, the lumber trade has taken a lull which may last for a considerable length of time.

PLATED SHEET ALUMINUM.

Wachwitz has invented a process for plating sheet aluminum, which is said to remove the difficulties heretofore connected with the working up of aluminum. Copper-plated sheet aluminum can be worked up like copper plate, and can be soldered, folded, tinned, nickel-plated, etc. The copper adheres in a thin layer on the aluminum, so, hardly any increase in weight is caused, and the coherence of the two metals is such that no separation ensues on rolling or stretching. The plating also renders the aluminum more resisting to bending, to blows and knocks. Copper-plated aluminum wires, which can be readily silvered and gilded, are likely, under the above suppositions, to gain importance in the wire industry and electrotechnics. As regards the latter, it is very important that aluminum is non-magnetic and possesses great conducting power for heat and electricity.—Dampf.

BRITISH PATENTS.

The report of the Controller-General of Patents, of the British Patent Office, shows that last year there were 30,958 applications for patents, of which about 6,000 were for inventions connected with cycling. These figures are 765, or 2.5 per cent. higher than in 1896, when the record was established by an excess of 5,131, or over 20 per cent., as compared with the previous year. Of foreign applications, by far the largest number came from Germany and America, which countries contributed respectively 2,459 and 3,084, as against 2,174 and 2,725 in 1896. Japan, from whence no applications were received in 1896, sent five last year, while China, which sent nine in 1896, fell off to three last year.

ISLAND CITY Paint and Varnish Works

.. Manufacturers of ..

**READY MIXED PAINTS and
FINE COACH VARNISHES.**

WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.
WORKS 274 St. Patrick St., MONTREAL.

Doyle's Patent Fire-proof Paint

FIRE BRICK, FIRE CLAY

DIPLOMAS 1892, WHEREVER EXHIBITED.

Toronto Industrial: Western Fair, London, Ont.: Great Northern Collingwood. . . . Diploma and Aluminum Medal and Life Membership to Inventor, by the Association of American Inventors, Philadelphia. . . . Diploma and Gold Medal Paris (France) and Life Honorary Membership to Inventor, by the Academy of Inventors, Manufacturers and Exhibitors.

Ask your hardwareman for it, if not in stock.

For particulars address—

The R. J. Doyle Manufacturing Co.

Limited

Lock Drawer 464, OWEN SOUND.

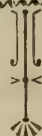
INGENUITY ENTERPRISE RESOURCE

The leading features of every bicycle built on popular 1898 lines are all copies of 1897 Cleveland Models.

CLEVELAND BICYCLES

\$55.00

\$70.00



30-Inch
Wheels

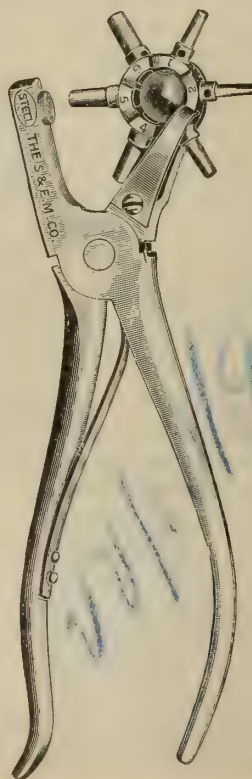
\$80.00

\$100.00

Write for Catalogue.

Agents Everywhere.

H. A. LOZIER & CO., Toronto Junction



The
Smith & Egge Manfg. Co.
BRIDGEPORT, CONN., U.S.A.

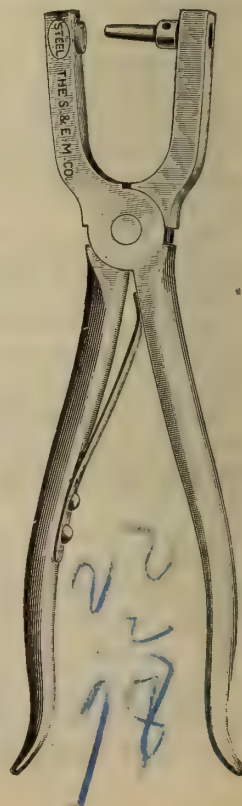
Manufacturers of
REVOLVING AND SPRING

BELT PUNCHES

Conductors' Ticket Punches.
BICYCLE SUNDRIES.

"Giant" Metal Sash Chain.
SASH PULLEYS.

"Red Metal" and Steel Chain.
PADLOCKS and RAT TRAPS.



CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

MONTREAL, QUE.

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap and Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.

Shot.
Canadian, common, 7½ per cent.
Brass Shot Shells, 55 and 10 per cent imers, Dom., 30 per cent.
Wads.—Baldwin

per lb
Best thick white felt wadding, in ½-lb bags..... 1 00
Best thick brown or grey felt wads, in ½ lb. bags..... 0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges..... 0 99
Best thick white card wads, in boxes of 500 each, 10 gauge..... 0 35
Best thick white card wads, in boxes of 500 each, 8 gauge..... 0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges..... 0 20
Thin card wads, in boxes of 1,000 each, 10 gauge..... 0 25
Thin card wads in boxes of 1,000 each 8 gauge.....
Chemically prepared black edge grey cloth wads, in boxes of 250 each— Per M
11 and smaller gauge..... 0 60
9 and 10 gauges..... 0 70
7 and 8 gauges..... 0 90
5 and 6 gauges..... 1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
11 and smaller gauge..... 1 15
9 and 10 gauges..... 1 40
7 and 8 gauges..... 1 65
5 and 6 gauges..... 1 90

Anvils.
Per lb..... 10 0 12½
Anvil and Vice combined, each..... 4 50
Wilkinson & Co.'s Anvils, lb. 09½
Wilkinson & Co.'s Vices, lb. 010

Augers.
Gilmour's, discount 65 p.c. off revised list.
Hollow Stearn's, per dozen..... 13 00 20 00
Adjustable Stearn's, each..... 4 50 6 50
Post-hole, Vaughan's, each..... 60 90
Excelsior, Jennings', discount 50 per cent.

Awls.
Sewing, per gross..... 0 65 1 59
Pegging, "..... 0 65 1 25
Brad, "..... 0 85 1 60
" handled, per gross..... 3 60 30
Saddler's, per gross..... 0 45 1 60

Awl Hafts.
Patent Peg, per gross..... 7 25 8 00
Sewing, per gross.....

Awl and Tool Sets.
Millar's Falls, per doz..... 2 80 3 30

AXES.
Splitting Axes..... 5 25 5 50
Chopping Axes
Single Lie, per doz..... 6 00 12 00
Double Lie, "..... 11 00 18 00
Bench Axes, 40 and 10 p.c.

Axle Grease.
Per gross..... 6 00 13 00

Bath Tubs.
Zinc, discount..... 3 90 4 00
Copper, discount, 40 and 10 p.c. off revised list.
Steel clad, 20 per cent. discount off revised list

Boxing extra
Bells.
Brass, 60 per cent.
Nickel, 55 per cent.

Door.
Gongs Sargent's..... 5 50 8 00
" Peterboro', discount 50 per cent.
Cow.

American make, discount 66½ per cent.
Canadian, discount 45 and 50 per cent.
Farm.

American, each..... 1 25 3 00
House.
American, per..... 0 35 0 40

Bellows.
Hand, per doz..... 3 35 4 75
Moulders, per doz..... 7 50 10 00
Blacksmiths', discount 60 per cent.

Belting.
Extra, 45 per cent.
Standard, 45 and 10 per cent.
Agricultural, 65 and 5 p.c.

Bench Stops.
Per doz..... 5 00 6 00

Bits.
Auger.
Gilmour's, discount 65 and 5 per cent.
Excelsior, discount 60 per cent.
Rockford Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list to 5 p.c. discount.

Car.
Gilmour's, 47½ to 50 per cent.
Expansive.
Clark's 40 per cent.
Excelsior, 10 per cent.
Gimlet.

Clark's, per doz..... 0 65 0 90
Diamond, Shell, per doz..... 1 00 1 50
Nail and Spike per gross..... 2 25 5 20

Blind Rollers.
Annex, per doz..... 1 25 1 75
Mascott, "..... 1 35 1 85
Erminie, "..... 1 00 0 00

Blind and Bed Staples.
All sizes, per lb..... 7½ 0 12

Bolts.
Carriage, dis. 60 and 10 to 70 p.c.
Tire, dis. 70 and 5 per cent.
Stove dis. 70 per cent.
Elevator, dis. 35 to 40 per cent
Machine, dis. 70 p.c.
Coach Screws, dis. 70 and 10 p.c.
Plough bolts, 60 p.c

Boring Machines.
Complete, with augers, each..... 5 00 7 50

Braces.
Barbel's..... 6 00 7 75
Barber's Ratchet..... 10 00 11 00
Farmers..... 2 00 2 75
Millar's Falls..... 15 50 29 00

Brackets.
Shelf.
Japanned Canadian, per doz. pairs..... 0 50 3 40
Berlin Bronze Canadian..... 0 85 3 20

Broilers.
Light, dis. 65 to 67½ per cent.
Reversible, dis. 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.
Henis, No. 8, "..... 6 00
Henis, No. 9, "..... 7 00
Queen City "..... 7 50 0 00

Butchers' Cleavers.
German, per doz..... 6 00 11 00
American, per doz..... 12 00 20 00

Butts.
Brass.
Wrought Brass, dis. 17½ p.c. revised list.
Cast Iron.
Loose Pin, dis. 70 per cent.

Wrought Steel.
Fast Joint, dis. 70, 10 and 5 to 75 p.c.
Loose Pins, dis. 70, 10 and 5 to 75 p.c.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair..... 0 40 0 65

Can Openers.
Acme, per gross..... 9 00 10 00
Sardine Scissors, per doz..... 3 75 4 50

Card.
Horse, per doz..... 0 60 1 00

Carpet Stretchers.
American, per doz..... 1 00 50
Bullards, per doz..... 6 50

Carpet Sweepers.
Bissell, per doz..... 22 50
World, "..... 21 75
Daisy, "..... 24 00
Star "..... 18 00
Crown Jewel, per doz..... 29 00
Grand Rapids, "..... 24 00 33 00

Cartridges.
(See Ammunition.)

Castors.
Bed new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
Nos. 31 and 32, per gross..... 8 50 9 50

Cement.
Canadian, Portland..... 2 50
English "..... 2 85
Belgium "..... 2 75
Canadian hydraulic..... 1 20
Figures are for barrel lots.

Chalk.
Carpenters Colored, per gross..... 0 45 0 75
White lump, per cwt..... 0 60 0 65
Red..... 0 05 0 06
Crayon, per gross..... 0 14 0 18

Chisels.
Socket, Framing and Firmer.
American, dis. 75 to 77½ per cent.
Canadian, dis. 40 and 5 per cent.
Tanged firmer, per doz..... 0 85 4 00

Churns.
Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.
Steel, net..... 3 00

Clamps.
Judds', dis. 20 per cent.
Stearn's, per doz..... 3 00 10 00

Clips.
Axle dis 65 per cent.

Closets.
Washout, plain..... 3 25
" embossed..... 3 50

Coffee Mills.
Box..... 3 60 13 00
Side..... 3 60 4 00
Enterprise, No. 0..... 1 35
" No. 2..... 70

Compasses, Dividers, Etc.,
American, dis. 62½ to 65 per cent

Cradles, Grain.
Canadian dis. 20 per cent.
Dies.
Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
Torrey's Rod, per doz..... (15 p.c. 2 00
Coil, per doz..... 0 88 1 60
English per doz..... 2 00 4 00

Draw Knives.
American, dis. 70 and 10 per cent.
Canadian, dis. 25, 50 and 10 per cent.

Drills.
Hand and Breast
Millar Falls, per doz..... 16 00 51 50
P. S. & W., dis. 40 per cent.

DRILL BIT.
" orse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
Stovepipe.
Per doz..... 85 1 70

FAWCETS.
Cork Lined, per doz..... 0 30 0 35
Wine, per doz..... 1 30 3 25
Star, "..... 2 80 3 90
Fenn's Corkstops, No. 2, per dozen..... 1 70
Petroleum, per doz..... 4 50 6 50

FILES AND RASPS.
Globe File Mfg. Co.'s dis., files and rasps, 30 and 10 to 70 per cent.
Toronto File Co.'s dis., files and rasps, 60 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Heller's Horse Rasps, 50 to 50 and 5 per cent.
Jowitt's, English list, 25 to 27½ per cent.
American, 60 to 60 and 5 per cent.
Great Western, 60 and 10 per cent.
Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.

FLUTING MACHINES.
Each..... 0 60 2 00

FORKS.
Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS.
Ice Cream.
Gem from \$1.25 to \$7 net.
White Mountain, 1 to 25 qt... 1 35 13 50
Arctic, dis. 50 p.c.

FRUIT PRESSES.
Henis', per doz..... 3 25 3 50
Shepard's Queen City, dis. 15 per cent.

FRY PANS.
Acme, dis. 65 to 67½ per cent.

GAUGES.
Marking, Mortise, Etc
Stanley's, dis. 50 to 55 per cent.
Wire Gauges.
Winn's, Nos. 26 to 33, each..... 1 65 2 40

GLASS.
Window.
Box Price.

Star. Double Diamond.
Size Per Per Per
United 50 ft. 100 ft. 100 ft
Inches.
Under 25..... 1 60 3 00 4 50
26 to 40..... 1 75 3 30 4 85
41 to 50..... 3 70 5 50
51 to 60..... 4 00 6 25
61 to 70..... 4 30 7 30
71 to 80..... 4 70 7 85
81 to 85..... 5 25 8 85
86 to 90..... 10 30
91 to 95..... 11 70
96 to 100..... 13 75
101 to 105..... 15 70
106 to 110.....

GLUE POTS.
Tinned, each..... 0 30
Enamelled each..... 0 55

GRINDSTONE FIXTURES
Per doz..... 3 60 4 00

HAMMERS.
Nail
Maydole's, dis. 5 to 10 per cent. Can., dis 25 to 27½ per cent.

Tack.
Magnetic per doz..... 1 10 1 20

Sledge.
Canadian, per lb..... 0 07½ 0 08½

Ball Pean.
English and Can., per lb..... 0 22 0 25

HANDLES.
Axe, per doz., net..... 1 50 2 00
Store door, per doz..... 1 00 1 50
Chest, per doz. pairs..... 0 40 2 50

Chisel.
Firmer, per gross..... 3 00 4 50
Socket Firmer, per gross..... 3 25 8 00
Socket Framing, per gross..... 3 75 5 00

Fork.
C. & B., dis. 45 per cent. rev. list.

Hoe.
C. & B., dis. 45 per cent. rev. lis

Saw.
American, per doz..... 1 00 1 25

Plane.
American, per gross..... 3 15 75
Hammer and Hatchet.

Canadian, 45 per cent.
Cross-Cut Saw.

Canadian, per pair..... 0 13½ 0 20

HANGERS.
Door, 4 and 5 inch, per pair..... 0 40 0 50
Lanes, 62½ per cent.

HATCHETS.
Canadian, dis. 40 to 42½ per cent

HINGES.
Blind, Parker's, dis. 60 and 10 to 65 per cen
" Shepard's Noiseless, dis. 60 per cent.
" Buffalo, dis. 60 to 70 p. c.
Light T and strap, 70 and 10 p.c.
Heavy, per lb..... 0 03½ 0 04½

Screw hook and hinge—
6 to 12 in., per 100 lbs..... 3 15
14 in. up, per 100 lbs..... 2 35

Screw, Eureka..... Per doz. set.
Gate, Clark's..... 1 13 1 80
" Shepard's, dis. 50 to 60 per cent. 1 50 2 20

Spring..... Per gro. pair.
" Shepard's Samson..... 9 50 1 20

HOES.
Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
Planter, per doz..... 4 00 4 50

HOOKS.
Cast Iron.
Bird Cage, per doz..... 0 50 1 10
Clothes Line, per doz..... 0 27 0 63
Harness, per doz..... 0 72 0 88
Hat and Coat, per gross..... 1 00 3 00
Chandelier, per doz..... 0 50 1 00

Wrought Iron.
Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
Hat and coat, dis. 60 to 60 and 10 p.c.
Belt, per 1,000..... 0 60 70
Screw, bright, Eng., dis. 60 per cent

HORSE NAILS
" P. B.", dis. 50 p.c.
" C " brand, 50 p.c. dis.
" M " brand 50 p.c.
Acadian, 50 and 20 per cent.

HORSE SHOES.
F.O.B. F.O.B.
Iron Shoes. Montreal Toronto*
Light, medium, and heavy..... 3 15 3 25
Snow shoes..... 3 40 3 50

Steel Shoes.
Light, all sizes..... 3 35 3 45
Extra light..... 4 50 4 60
Toe weight (steel)..... 5 50 5 60

*Also Hamilton, London, Guelph, St. John, Halifax.

ICE PICKS.
Star per doz..... 3 00 3 25

KETTLES.
Brass spun, 7½ p.c. dis. off new list.
Copper, per lb..... 0 30 35
American, 60 and 10 to 65 and 5 p.c.

KEYS.
Lock, Can., dis. 50 p.c.
Cabinet, trunk, and padlock,
Am. per gross..... 1 60

KNOBS.
Door, japanned and N.P., per doz..... 0 90
Bronze, Berlin, per doz..... 2 75 3 25
Bronze Genuine, "..... 6 00 9 00
Shutter, porcelain, F. & L.
screw per gross..... 1 30 4 00

KNIVES.
Claus, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.
Christie, bread, cake, and paring knives, \$7.00 doz. sets, with 10 p.c. off.
Hay knives, spear point, L or T handle, 60 and 5 per cent.
Lightning, per doz..... 6 50 8 40
Heath's, \$7.75 net.

LADLES.
Melting, per doz..... 1 70 4 50

LEMON SQUEEZERS.
Porcelain lined, per doz..... 2 20 5 60
Galvanized, "..... 1 87 3 85
King, wood, "..... 2 75 2 90
glass, "..... 4 00 4 50
All glass..... 1 20 1 30

LINES.
ish, per gross..... 1 05 2 50
Chalk..... 1 90 7 40

LOCKS.

Canadian, dis. 50 p.c.		
Russell & Erwin, per doz....	1 75	7 50
Cabinet,		

Padlock.

English and Am., per doz....	0 50	6 00
Scandinavian, " " " "	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.		
Round head, discount 20 p.c.		

MAGNOLIA METAL, ETC.

Magnolia Anti-Friction Metal, per lb.	25	
No Name Metal, " "	15	
Mystic Metal, " "	10	
F. O. B. New York or Chicago.		

MALLET.

Tinsmiths', per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.....	3 85	5 00
Caulking, each " "	1 60	2 00

MATTOCKS.

Canadian, per doz.....	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.

American, per doz.....	0 42	2 35
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MOLASSES GATES.

Stebbin's Patent, dis. per cent., 77½ per cent		
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NAILS.

Out Nails (Iron). Quotations are :		
2d. and 3d.....	\$2 75	
3d.....	2 40	
4 and 5d.....	2 15	
6 and 7d.....	2 05	
8 and 9d.....	1 90	
10 and 12d.....	1 85	
16 and 20d.....	1 80	
30, 40, 50 and 60d. (base).....	1 75	

Out Nails (Steel). Add 10c. to the prices in list for iron nails.
Wire Nails, basis, \$1 85, Toronto.
Brads and finishing nails, special sizes, 80 p.c. from new list.

NAIL PULLERS.

German and American.....	1 85	3 50
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NAIL SETS.

Square, round, and octagon,		
per gross.....	3 38	4 00
Diamond.....	12 00	15 00

NETTING.

Poultry, 67½ per cent. for imported,		
55 per cent. for McMullen's.		

OIL.

Canada refined oil (Toronto).....	0 14	
Carbon safety " " " "	0 16½	
American w. w. " " " "	0 17½	
Pratt's Astral.....	0 17	

OILERS.

McClary's Model galvan. oil		
can, with pump, 5 gal.,		
per doz.....	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.....	1 25	3 50
Brass, " " " "	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.

Galvanized, per doz.....	1 85	3 00
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PENCILS.

Dixon's, per gross.....	1 00	4 25
" Carpenter.....	2 25	3 60

PICKS.

Per doz.....	6 00	9 00
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PICTURE NAILS.

Porcelain head, per gross.....	1 40	3 00
Brass head, " " " "	0 40	1 00

PIPE CUTTING MACHINERY

Forbes Patent Die Stocks.—Curtis & Curtis		
Mrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to		
2 in. R. & L.....	\$ 50 00	
No. 38 Hand Machine, range 1½		
to 4 " " " "	100 00	
No. 56 Hand Machine, range 2½		
to 6 " " " "	175 00	

PLANES.

Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.		
Wood, fancy Canadian or American, 37½		
to 40 per cent.		

Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.		
Miscellaneous, dis. 25 to 27½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.

English, per doz.....	2 00	5 00
-----------------------	------	------

PLIERS AND NIPPERS.

Button's Genuine, per doz. pairs, dis. 37½		
40 p.c.		
Button's Imitation, per doz..	5 00	9 00
German, per doz.....	0 60	2 60

PLUMBS AND LEVELS.

S. R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		
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POPPERS.

Corn, square, per doz.....	1 35	2 00
----------------------------	------	------

PRUNING SHEARS.

Per doz.....	4 00	5 50
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PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 40	2 25
Canadian pitcher spout.....	1 15	2 00

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors' " " " "	9 00	15 00
Tinners' solid, per set.....	0 00	0 72
" hollow, per inch.....	0 00	1 00

RAIL.

Barn door, per foot.....	0 02½	0 02½
Sliding door, " " " "	0 03½	0 03½
Lanes, " " " "	0 02½	

RAKES.

Cast steel and malleable Canadian, list dis		
60 to 60, 10 and 5 p. c. revised list.		
Wood, 25 per cent.		

RAZORS.

Geo. Butler & Co.'s, per doz..	8 00	18 00
Bokers', " " " "	7 50	11 00
Wade & Butcher's, " " " "	3 60	10 00
Arbenz's, " " " "	9 00	18 00
Theile & Quack's, " " " "	7 00	12 00

RAZOR STROPS.

Currier's, per doz.....	1 25	3 60
-------------------------	------	------

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc.,		
(Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc.,		
(Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and 5		
p.c.		
Copper Rivets & Burrs, 45 p.c. dis.		
" " " " " " " "		
cartoons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.		
------------------------------------	--	--

ROPE, ETC.

7-16 in. and larger, per lb	Sisal.	Manilla
10½	13	13
11	13½	13½
1½ and 5-16 in. " "	14	14
Cotton.....	13	13
Russia Deep Sea.....	14½	14½
ute.....	6¾	7½
Lath Yarn.....	8½	8½
New Zealand Rope.....	9½	9½

RULES.

Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.

Mrs. Potts, per set.....	0 62½	1 00
" " N.P., per set.....		90

SAD HEATERS.

Dome, Shepard's, per doz....	4 75	5 00
------------------------------	------	------

SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.....		

SASH CORD.

Per lb.....	20	50
-------------	----	----

SASH LOCKS.

Triumph and Morris, dis. 37½, 40 per cent.		
Kempshell's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.

Sectional, per 100 lbs.....	1 40	1 75
Solid, " " " "		1 25

SAWS.

Crosscut, McMillan & Haynes,		
per dozen.....	0 40	0 70
'Empire,' McMillan & Haynes,		
per ft.....	0 00	0 70
Hand, Disston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Disston's, per ft....	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.....	0 75	2 75
" " " " " " " "	0 00	0 75

SAW SETS.

'Lincoln,' McMillan &		
Haynes, per doz.....	6 00	7 50
Whiting, " " " "	5 63	7 00

SCALES.

Gurney Scales, 50 p.c.		
B. S. & M. Scales, 50 p.c.		
Champion 60 per cent		

SCRAPERS.

Box, per doz.....	2 10	4 50
Boat, " " " "	0 40	3 50

SCREENS.

Door, patent, per doz.....	6 50	11 00
Window, per doz.....	2 00	2 75

SCREW DRIVERS.

Sargent's per doz.....	65	4 00
------------------------	----	------

SCREWS.

Wood, F. H., iron, and steel, dis. 87½ &		
10 p.c.		
Wood, R. H., " " " " " "		
" " " " " " " "		
" " " " " " " "		
Drive Screws, 87½ and 10 per cent.		
Bench, wood, per doz.....	3 25	4 00
" " " " " " " "	4 25	5 75

SCYTHES.

Discount, per doz. net.....	4 50	6 00
-----------------------------	------	------

SCYTHE SNATHS.

Canadian, dis. 50 p.c.		
------------------------	--	--

SHEARS.

B. & W., japanned, dis. 75 p.c.		
B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 60 p.c.		
Etna, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
" " N.P., dis. 70 p.c.		
lauss, full nickle, 60 p.c.		
" japanned handles, 67½ p.c. off.		
Seymour or Heinisch tailor shears, 15 p.c.		

SHEAVES.

Sliding door, per set.....	0 77	1 40
----------------------------	------	------

SHOVELS AND SPADES.

Canadian, dis. 40 and 10 to 45 and 2½ p.c.		
--	--	--

SIEVES.

Wood rim, black, per doz....	1 05	1 10
" " " " " " " "	1 25	1 35
Tin rim, per doz.....	2 30	2 45
" " " " " " " "	1 85	2 25

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme.....	3 00	5 00
Lock, Andrews'.....	4 50	11 50

SOLDERING IRONS.

Per lb.....	0 25	
-------------	------	--

WROUGHT SPIKES.

Discount, 35 to 40 per cent.		
------------------------------	--	--

SPOKE SHAVES.

Wood, English.....	1 80	5 00
Iron, American.....	1 35	2 35

SPOONS AND FORKS.

Tea spoons, per gross.....	7 50	12 00
Desert, " " " "	21 00	00 00
Table, " " " "	30 00	30 00
Desert Forks, " " " "	24 00	00 00
Medium, " " " "	27 00	00 00
Table, " " " "	36 00	00 00

SQUARES.

Iron, per doz.....	1 65	2 90
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAPLES.

Fence, galvanized.....	2 25	2 50
Wrought iron, dis. 80 to 82½ p.c.		

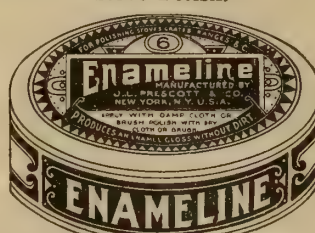
STOCKS AND DIES.

American, dis. 25 p.c.		
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STONE.

Washita, per lb.....	0 28	0 60
Hindustan, " " " "	0 06	0 07
" " " " " " " "	0 09	0 09
Labrador, " " " "	0 13	
" " " " " " " "	0 15	
Turkey, " " " "	0 50	
Arkansas, " " " "	0 00	1 50
Water-of-Ayr, " " " "	0 00	0 10
Scythe, per gross.....	3 50	5 00
Grind, per ton.....	15 00	18 00

Stove Polish.



No. 4-3 dozen in case.....	\$4 50	
No. 6-3 dozen in case.....	7 50	

TACKS, BRADS, ETC.

No. 6-3 dozen in case.....	7	50
TACKS, BRADS, ETC.		
Cheese-box tacks, blue, 80 and 20 p. c.		
Trunk tacks, black, 80 and 12½ p. c.		
" "		

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays 10 cents to any address on receipt of

HARDWARE AND METAL, Toronto

THE PRESS CLIPPING DEPARTMENT

Reads every newspaper in Canada and clips therefrom all articles of a business or personal nature of interest to subscribers in this department.

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THE PRESS CLIPPING DEPARTMENT

Board of Trade, Montreal



Patented
in
Canada
Apr. 4, 1898

We also manufacture Burton's Nos 1, 2 and 3 Gem Wire and Wire Drive Anti-Rattlers, Becker Game Trap and Dandy Clothes Rack. Ask your Jobber for them, or send to us for prices and circulars.

FERNALD MFG. CO., Northeast, Pa., U.S.A.

CHARLES F. CLARK,
President.

J. CHITTENDEN,
Treasurer.

ESTABLISHED 1849.

THE BRADSTREET MERCANTILE AGENCY

THE BRADSTREET COMPANY,

Executive Offices Proprietors.

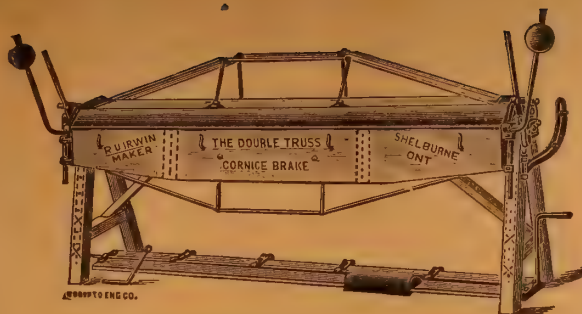
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Offices in the principal cities of the United States, Canada, the European Continent, Australia, and in London, England.

The Bradstreet Company is the oldest and, financially, the strongest organization of its kind—working in one interest and under one management—with wider ramifications, with more capital invested in the business, and it expends more money every year for the collection and dissemination of information than any similar institution in the world.

TORONTO OFFICE.

McKinnon Building, Cor. Jordan and Melinda Sts.
THOS. C. IRVING, Superintendent



This eight-foot Brake bends 22-gauge iron and lighter, straight and true

Price, \$50

Very handy bender attachment, \$10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice
Brake Co. **SHELBURNE, ONT.**

Brushes for Plumbers and Steamfitters

We keep on hand a special line of *Radiator Brushes, Furnace Brushes, Water-Closet Brushes, etc.*

Our All-Steel *Champion Furnace Brush* is the best value in the market.

MEAKINS & CO.

313 St. Paul Street

MONTREAL

Baylis Manufacturing Co.

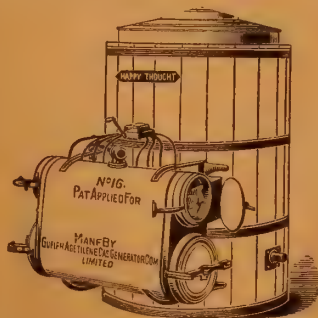
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VARNISHES
WOOD FILLERS
OILS

JAPANS
WHITE LEAD
AXLE GREASE

LACQUERS
PAINTS
Etc.

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Perfect Light

Perfect Safety

Our Machine is Automatic. Safe.

Sold only through the local Hardware and Plumbing Trades, etc.

No Peddling.

Write Us.

THE GUELPH ACETYLENE GAS CO.

GUELPH, ONT.

Limited



The "SAFETY" ACETYLENE GAS MACHINE

The most simple and the safest machine made.

It does what other machines cannot do. It generates Gas Cool. It washes and purifies the Gas twice. Automatically removes the Ash from the Carbide. Leaves the Ash perfectly dry and thoroughly exhausted.

Manufactured by.....

Every Machine Guaranteed.

THE SAFETY LIGHT & HEAT CO.

DUNDAS, ONT.

Proprietors and Sole Manufacturers for the Dominion of the celebrated CLIFF-WARDLAW GENERATORS.

Est. 1863

Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve

Medals

Awarded
By **JURORS** at
International Expositions
Special Prize

Gold Medal at Atlanta, 1895

HAVE YOU TRIED IT?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE CUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

... ROBERTSON'S ...

Celebrated
Paints

and
™

Monarch
Varnishes

SECOND TO NONE ON EARTH.

They are prize-winners every time, as only the purest and most
enduring ingredients are used in their manufacture

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It Pays to Sell the Best.

The JAMES ROBERTSON CO., Limited 263-285 King Street West, Toronto

Telephones 819, 1511 and 1292.

THE PAINT MAKERS

Purest Ingredients--Langwell's.
Metallic Alloys--Montreal

CANADIAN

HARDWARE

AND METAL
MERCHANT

VOL. X

MONTREAL AND TORONTO, JULY 30, 1898

No. 31



Magnolia Metal

*Best Anti-Friction Metal for
all Machinery Bearings.*

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamped
on the under side of
each bar.



MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Traders' Building.
MONTREAL—Caverhill, Learmont & Co.
General Dominion Agents.

Owners and Sole Manufacturers,

266 and 267
West St., New York

It Pays

It pays to use "QUEEN'S HEAD"
Iron, because it will always do your work,
is perfectly flat and perfectly galvanized,
and withal is usually as cheap by the
sheet as any make.

It pays to handle it, because your customers are always
satisfied; no complaints, no credit notes, no lost accounts
for any fault of the goods.

It pays to make it, because there is such a large and
constant demand, and it will command a fair price.



CANADA

JOHN LYSAGHT, Limited
BRISTOL and MONTREAL

Experience Counts

A pioneer may win reputation by a novelty.
For a day—for a year, it may be—a new thing may com-
mand some attention.

Enduring success must be founded upon intrinsic worth. Merit
usually wins by the unequalled test of experience.

And that is why The Safford Radiator—the **original** Radiator
having the non-leakable, screw-threaded nipple connections stands where
continued leadership places it—at the head.

"Proofs wanted" you say? The busi-
ness has grown steadily—it is the largest of
its kind under the British Flag. "Endur-
ing success is founded on intrinsic worth."

The Safford Radiators.

The Dominion Radiator Company, Limited
formerly
Toronto Radiator Company.

Toronto, Ont.

RICE LEWIS & SON

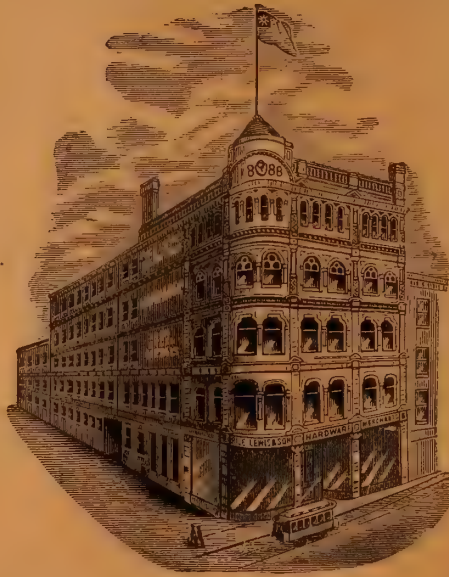
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A. BURDETT LEE, V. P. and Treas.

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Bar Iron
Steel
Boiler Plate
Shelf and Heavy
Hardware



MANTELS
GRATES
TILES
Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets

...TORONTO

"Solidity"

In speaking of DUPLEX TUBS, this word is particularly applicable, as it is the "solidity" of the Tub that is a great point of merit. The steel, copper and tin are all practically fused together, making one solid sheet. It is therefore almost impossible to dent or bruise one of Booth's DUPLEX Copper-lined Bath Tubs.

"DUPLEX"



BOOTH'S PATENT

Sole Manufacturers in Canada:

The Toronto Steel-Clad Bath and Metal Co., Limited

TORONTO

M. B. Perine & Co.

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DOON, ONT.

**Eureka
Binder
Twine**



and of every variety
of

Flax, Hemp, Jute and Cotton Twines.
Flax and Hemp Rope, and Plough Lines

"HONOR BRIGHT"

Wood
Cook.

- Heavy.
- Massive.
- Substantial.
- Durable.
- Extra Large Oven and Firebox.



Fitted with Patent Illuminated Oven Door, Corrugated Oven Bottom, and all modern features of Cook Stove construction.

If you have not handled this Stove, it will be to your advantage to secure samples, and arrange for the exclusive sale in your locality.

The William Buck Stove Co., Limited

Manufacturers of the celebrated
"HAPPY THOUGHT" Range.

BRANTFORD, ONTARIO

Our "Para" Rubber Belt

is made of 32-oz. Duck coated with fine Para Rubber, and makes a superior THRESHING BELT.

OUR PATENT
SEAMLESS

Forsyth Rubber Belt

is so constructed as to do away with an exposed seam.

Price List and Discounts
on application.



THE CANADIAN RUBBER CO.
OF MONTREAL

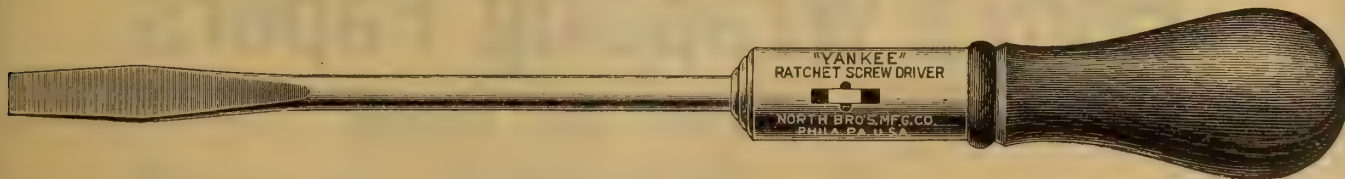
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BRANCHES: Toronto and Winnipeg.

OTHER TOOLS ARE VERY GOOD TOOLS, BUT "YANKEE" TOOLS ARE BETTER



SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

Sold in Canada by

CAVERHILL, LEARMONT & CO.	-	MONTREAL
FROTHINGHAM & WORKMAN	-	"
ALEXANDER MACPHERSON & SONS	-	"
RICE LEWIS & SON, Limited	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	LONDON

Descriptive Circulars will be mailed
on application.

North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinish's Sons Co. vs. Hermann Boker & Co:

"The complainant (R. Heinish's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinish' or 'H. C. Heinish' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinish's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinish Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorne & Co., St. John, N.B., H. S. Howland, Sons & Co., Toronto, and others.

COLDBROOK IRON AND STEEL CO.

Limited

Manufacturers of
all kinds of**BAR IRON.**

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GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

Established 1825.

Hardware Men

acknowledge that we make the finest line of

COW TIES

in the world.

This year we are making a specialty of the

PRICE.

♦♦

"AMERICAN" and
"ONEIDA WIRE."



N.B.—Jobbers who have not already arranged with our traveler should write for 1898 prices.

ONEIDA COMMUNITY, Limited
NIAGARA FALLS, ONT.

The fibre is long
and strong

**BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE**

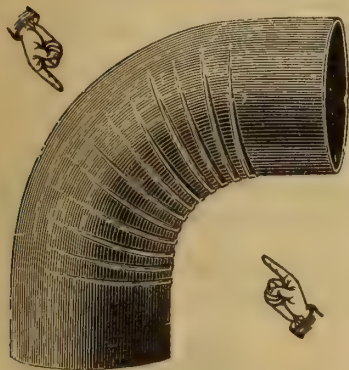
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The paper stands
wear and tear

Here You Have Them

NO RAISED SEAMS
TO CATCH THE DIRT.



SEE THE LONG THROAT

DAVIDSON'S

STANDARD PLEATED
ONE-PIECE

ELBOWS

Made in

TWO QUALITIES

of High Grade Heavy Smooth Steel.

They Hold the Trade Because


They have flat pleats that do not catch the dust.

They are easily cleaned inside and out.

They are not rivetted, making them easily adjustable to all pipes

Neatest and strongest, durability unsurpassed, unequalled for appearance and finish.

The heavy reductions we have made in our prices make them as cheap as the old style pieced elbows

The THOS. DAVIDSON MFG. CO.,  Montreal, P.Q.

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Cokes

Standard Brands

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VULTURE
M. L. S.

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M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin
164 Fenchurch Street, London, E.C.

26 to 30 Front St. West TORONTO.

AN ANNOUNCEMENT!

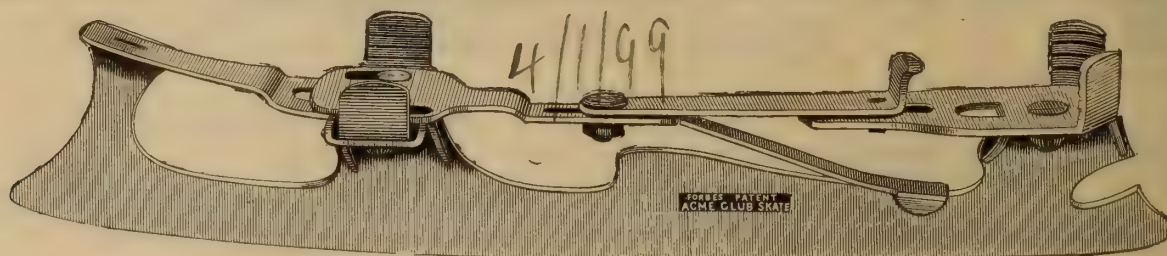
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Enameline

THE MODERN
STOVE POLISH
PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.



THE GENUINE ACME.

We are now prepared to fill orders promptly. We make the highest grade of skates, and guarantee them. We solicit your inquiries. Goods dated 1st Nov.

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T. L. PATON, Resident Agent, Montreal, Que.

DARTMOUTH, N.S.

Kemp's Blue Flame Oil Stoves

ARE NOT AN EXPERIMENT.

Satisfied Users Testify to their Excellence.

(COPY)

HALIFAX, N.S., May 18th, 1898.

DEAR SIRs,—I have had one of your "Blue Flame" Coal Oil Stoves in daily use for over a month, in the Cooking School here, and can testify to its many excellencies. The construction is so simple that the children have no difficulty in managing it. There is absolutely no odor from the burning oil, and no waste. The oven can be perfectly heated in ten minutes, and then will cook everything that can be cooked in a coal range oven; bread, meat, cakes and pastry. The heat is so steady, that, while things cook thoroughly, there is no danger of burning. There being no attachments, as in a gas stove, the coal oil stoves can be moved at pleasure, and are so neat they might stand in any room.

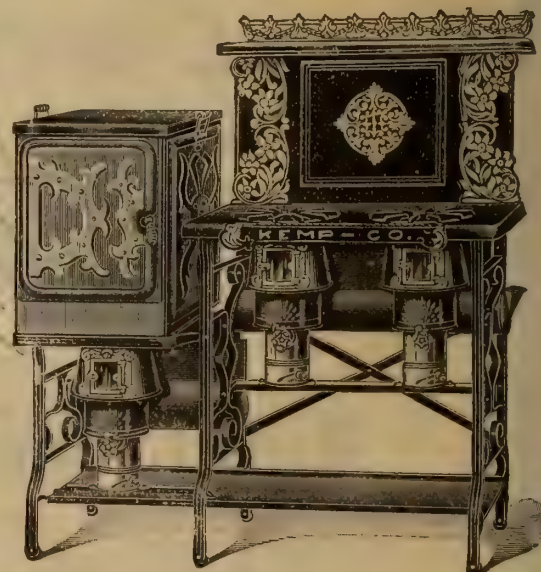
I am, Yours very truly,

(Signed) HELEN N. BELL,

Principal, School of Cookery, Halifax.

To A. M. BELL & Co., Halifax, N.S.

Agents for "Kemp's Blue Flame" Oil Cooking Stoves for Halifax.



Are you ready for the trade in this line?

ALL SIZES AND STYLES IN STOCK.
WICKLESS STOVES SUPPLIED IN 2 AND 3 BURNER.

KEMP MANUFACTURING CO.

Toronto



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THEIR ADVERTISEMENT IN THIS PAPER**

LARGE IMPORTS OF CEMENT.

ARRIVALS of cement have been pretty heavy of late in Montreal, particularly German and Belgian, as importers want to take all the advantage they can of the present duty. For instance, receipts of English cement last week were only 2,350 barrels, whereas 15,390 Belgian and German were received. The previous week, also, only 900 English were entered at the Customs House, against 21,279 Belgian and German. Altogether, the imports since the opening of navigation are only 15,650 English, against 112,681 Belgian and German.

It is a noteworthy fact that despite these heavy importations of continental cement, stocks in Montreal are light rather than

heavy, explanation being that cement has been moving out, almost as fast as it was entered at the Customs House, on large contracts placed early in the spring.

There has been a lot of extra work in the vicinity of Montreal this spring, notably the Victoria bridge work on the Grand Trunk and a lot of Government canal work, that accounts for the quick consumption.

TROUBLES OF A CREDIT BUSINESS.

THE Gananoque Departmental Store Co., Limited, now does all its business on the cash basis. It once sold goods on credit, and some of the experiences related in connection therewith are interesting. Three illustrations of how money is lost by credit business are given:

In the first instance, a young man who had been dealing in this store for some time, and paying cash, had purchased a suit of clothes on credit. At first he seemed anxious to get paid up, but soon he became careless regarding the matter. He was offered work in order to get his bills paid up. But it was useless, and his account is now for sale at 10c. on the dollar.

Another resident of the town had dealt with the firm at intervals, always paying well. Circumstances changed somewhat, and he wanted larger credit. When his bill reached \$100 he gave his note. While this was maturing his bill had increased \$40. His note was given for renewal, the \$40 being added. While this note was maturing, whiskey, poker, etc., did their work, and when the note was due he paid no attention to it. This note for \$143 is for sale for \$1.43.

The third illustration given is that of one

admittedly a good citizen—one who was not without means. He desired to make some extensive improvements, and to the small encumbrance on his property he added more. When the time came for settling his year's account, an unexpected sickness left him unable to settle up. Another year went by, the account steadily growing. Continued sickness left him still unable to pay. Shortly afterward he died. His property went to the mortgagee, and across his account is written one word—"Dead."

If you cannot succeed by yourself you will never meet with much success.

SALES OF CANADIAN PIG IRON INCREASING.

IN the winter and early spring quite a large quantity of United States pig iron was placed with foundrymen and other consumers in Eastern Canada. Since then this iron has been arriving as wanted, the delivery at the time the contracts were made being spread out over several months. Lately, however, new business in United States pig iron in the east has been conspicuous by its absence, and representatives of furnaces south of the line who have visited Montreal within the past month or six weeks have invariably had their trouble for their pains.

The explanation offered is that domestic pig iron is taking the place of the cheaper United States pig, while Scotch iron is being taken in larger quantities for high grade work and for mixing purposes.

Some months ago, also, there were general complaints about the quality of the domestic pig, the furnaces apparently hav-

ing struck a poor lot of ore, or something of this kind. Since the spring, however, this defect has been remedied in Canadian pig, and foundrymen state that the product of the Hamilton furnaces, especially, is all that could be desired.

This opinion is borne out by the fact that the great bulk of the new business in pig iron during the past two months has been in this Hamilton iron.

Good clerks are not born; they are made. And you have to carefully select the material from which they are made.

TINPLATE TRADE IN WALES.

THE threatened strike at the Llanelli tinplate works in Wales has been fortunately averted, an agreement between the masters and men having been arrived at whereby the reduction of 15 per cent. on the 1874 list shall remain in force for another three months.

In the meantime, however, another matter which may cause some difficulty before it is settled has cropped up. The Welsh tinplate manufacturers have decided upon a new wages scale which introduces the wire gauge as the measure of price and weight. Notwithstanding the number of idle works there are, however, the advisers of the workmen are urging them to reject the masters' offer, which entails a reduction in wages.

During June last the exports of tinplate from Wales were 17,782 tons, against 23,206 tons the same month last year. For the six months the total exports were 135,449 tons, against 149,025 tons for the same period of 1897.

You may not be a genius, but if you are a persistent plodder you need not fear results.

FIFTY WISE MERCHANTS.

Over 50 Brantford, Ont., merchants, comprising grocers, hardwaremen and those engaged in other lines of trade, have agreed to close their places of business every Wednesday afternoon at 1 p.m. until August 21.

The early closing movement expands slowly, but it is expanding, and it can scarcely help doing so. Long business

hours are no more necessary than would be a 20-foot tail to a dog.

Men should protect their health as well as their business, and the best way to protect the latter is to take care of the former. Being cooped up in a store 12, 14 or 16 hours per day is good for neither man nor store.

THE GALVANIZED IRON MARKET.

Galvanized iron of United States manufacture was last week advanced about 5 per cent. in price, but during the last few days the market has assumed a somewhat sagging tendency.

Jobbers in Toronto have, however, been experiencing a good demand during the past week, some heavy shipments in both English and American iron having been made.

BELGIAN GLASS AGAIN ADVANCES.

Advices to hand report a still further advance in the price of window glass in Belgium, the qualities now ruling showing an appreciation of from 20 to 25 per cent. on those received a short time ago.

It is the opinion among jobbers that if the present firmness of the Belgian market continues, it will turn the demand toward British made glass, which, on and after August 1, will come into the country at 25 per cent. less duty than the former.

A business that is born of an incapable and indolent man hath but a short time to live, and it goeth down to the grave unwept—except by the creditors.

SKATES BEGINNING TO MOVE.

Skates are about the last thing one would think people would have in their minds these hot days. But the trade is thinking about them at any rate, for the wholesale houses have, during the last few weeks, shipped a large number of pairs to their customers. One house informed **HARDWARE AND METAL** that it had already sent out 8,000 pairs.

The market is being largely supplied with skates of German manufacture, as was the case last year.

Shipments just now are, of course, being stimulated by the 25 per cent. reduction in the tariff, which, after July 31, will no longer obtain on German skates.

DROPS FROM THE EDITOR'S PEN.

YOU may as well pump wind into a horse and expect it to live as to inflate a business with false methods and expect it to thrive.

Boasting is not good material for business building.

Honesty creates confidence, and confidence catches and holds customers.

A good article, like a good character, need not fear mendacious criticism.

The source of success, like the source of a river, is reached by pulling up stream.

It is the office of the frog to croak, but it was never designed that man should imitate him.

In helping his employer to the best of his ability a clerk is helping to build up himself.

There is no lubricant like unto patience for getting over the rough places in business.

Have an aim in life. Even if you do not hit the bullseye you will probably make an outer.

Character is more valuable than money. To attain it one must strive. It cannot be bought.

He who needs a holiday and does not take it is losing his health in trying to retain business.

An advertisement that lies may occasionally sell goods, but it never builds up a business.

The forces of Nature surrender to the Persistent Man because there is no Torres Vedras which will keep him out.

Every sane man can attain success in something if he selects the right "something" and devotes his time and energies to it.

Many a merchant these hot days would doubtless rather sit on the bank of a shady stream and catch no fish than stand in his store and wait on many customers.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

BUSY BRITISH MANUFACTURERS.

THE position continues firm throughout, and most manufacturers are actively employed. Supplies of pig iron are still scarce, particularly in the Midlands, and this naturally reacts upon the manufactured goods. Orders are being given out to a fair extent, and in many cases makers are fully booked for some months ahead. The demand for steel of most descriptions continues upon an excellent scale, and large quantities are going into consumers' hands. The call is especially brisk on the part of bridgebuilders (who have some large orders in hand) and the shipyards. In the latter case the situation is without change during the week, all builders being filled up with work and booked ahead for months to come, in spite of the fact that they are working at top pressure to clear off arrears. One of the largest yards is said to have no fewer than a dozen steamers, all of large tonnage, in course of construction. Little wonder, then, that the call for shipplates, angles and similar material is almost beyond the means of makers to supply.—Iron-monger.

WIRE RODS FOR CANADA.

Interest has centred in the purchases of the wire interests, which have been shrouded in a good deal of mystery. So far as can be learned, a Cleveland steel works have sold 35,000 tons, giving an option on a further large quantity for later delivery. Further west, 35,000 tons of billets and about 50,000 tons of wire rods have been taken. The Pittsburgh district has secured a like quantity of billets for the central west and about 20,000 tons for eastern delivery. One Cleveland rod mill is reported to be sold ahead for a very long time, among the contracts recently taken being one for 30,000 tons to a Cincinnati consumer for delivery over a long period.

The prices at which these large billet transactions have been made are closely guarded, and there are conflicting reports relating to them, which must be received with reserve. In the Central West there has not yet been any buying movement on the part of others which might furnish an indication of a change in values. At other points quotations have been lowered.

As a proof of the eagerness to develop export business, it may be noted that at least one eastern mill is offering steel billets for shipment abroad at \$16, tidewater, but so far as we can learn no business has been effected. One of the troubles to many American plants is that foreign consumers

usually demand 2-inch billets, while our usual standard is 4-inch.

In wire rods there have been sales of a few thousand tons for Canada, and additional small amounts are pending.—Iron Age.

U.S. PIG IRON MARKET.

All the pig iron markets are quiet. In foundry grades the leading producing sections have pretty well sold up for a considerable time to come, consumers being correspondingly well supplied. Offerings by smaller interests continue, and with a light business give the market a surface appearance of weakness. Time alone, and an expanding consumption, can develop the true situation. The largest single consuming interest, the cast iron pipe industry, is in a despondent frame, with a light demand and unprecedentedly low selling prices. This industry, which ought to take 650,000 to 700,000 tons of pig iron per annum, is not coming near its normal tonnage.

In Bessemer pig iron the deadlock in the Central West continues. Whether large sellers of billets will soon be forced to cover engagements has not yet developed. Labor troubles in the Valley may precipitate matters. The demand for a 10 per cent. advance on the part of the men has even now caused several furnaces to bank.—Iron Age.

WIRE NAILS IN THE UNITED STATES.

The tone of the wire nail market is not so strong as it has been. There are a good many negotiations going on in regard to placing of orders for fall trade. Jobbers are endeavoring to obtain concessions, but manufacturers are generally refusing to accept orders for future delivery at less than \$1.30. In some cases, however, for immediate shipment, this price has been shaded. Most of the mills are at present curtailing their production and are occupied in their usual midsummer repairs and overhauling of works, and in most cases have warehouses sufficiently stocked to enable them without difficulty to execute orders promptly. There is a very general confidence that when the fall trade sets in it will be an easy matter to dispose of any goods which have accumulated.—Iron Age.

NEW YORK MARKETS.

FIG TIN—The market underwrote no change whatever. Trade orders were only fair, yet sufficient to absorb a considerable amount of stock and act as an offset to local speculative stagnation. Only 30 tons have arrived the past two days. According to a local statistician over 200 tons have passed

into consumers' hands during the same period. Prices are fairly steady at 15.60 to 15.65c. net and 15.65 to 15.70c. free on board for lots of five tons or more, prompt or near-future delivery.

COPPER—There was nothing outside of ordinary demand from either home trade or foreign buyers, and the market had a rather soft appearance, although prices were without radical change. Sellers' figures were 11 1/2c. for Lake Superior ingot, and 11 1/4 to 11 3/8c. for other varieties. London cables quoted easy and rather slow markets.

PIG LEAD—Carload lot trade is about all that is going on at present, but the market is firm in sympathy with continued bullish reports received from some of the primary points. Business was mostly at 3.95 to 4c. for early delivery.

SPELTER—A slow and uninteresting market is again to be reported. There were, in fact, no inquiries for other than very moderate quantities. Prices are still rather weak, however, at 4.50c. for standard western, spot or near future delivery. London cable quoted £20 2s. 6d. for good merchant brands.

ANTIMONY—Small business only is taking place, but prices remain firm at 9 to 9 3/4c., according to quality and brand.

TIN PLATE—A quiet and uninteresting market is still to be reported, and prices are rather weak throughout, but showing no really important variation.

IRON AND STEEL—The market for all crude material remains in a rather sluggish condition, and prices are rather weak but without decided change. Manufactured generally are unchanged in price and moving slowly.—N. Y. Journal of Commerce.

GOLD IN HALIBURTON.

A report that gold has been found in paying quantities in Harburn township has occasioned considerable excitement in the county of Haliburton. The prospecting has been carried on by American capitalists. Mr. Alexander Ray, of Toronto, their analyst, who tested the ore as it was taken out, found pay gold in everything tested, varying from \$6.50 to \$20 per ton. The supply of ore is also said to be almost unlimited. In addition to the quartz rock tested, a very rich find of gold-bearing sand is also reported to have been made in the same district.

Shafts are at present being opened in Dysart township, which it is claimed, when fully developed, will prove as valuable as the property where the tests have already been made. Lutterworth township is also said to be rich in minerals.—Mail and Empire.

EFFECT OF THE WAR AND THE UNITED STATES TARIFF ON CANADIAN LUMBER.

AN intelligent lumberman is usually good material for an interview. I realized that a few days ago, at any rate, when I had the pleasure of a few minutes' conversation with Mr. James A. Wilson, of Webbwood, Ont. Mr. Wilson is a member of the Cutler & Savidge Lumber Co., a Michigan firm who carry on lumbering operations in Algoma, getting its logs in the neighborhood of Webbwood, and cutting them into lumber at its mills at Cutler, on the Georgian Bay, 30 miles from the latter place. At Webbwood the company has a depot for the supplying of material for its camp at that point, and the management of this depot is one of Mr. Wilson's special duties. But, owing to the condition of the lumber trade, the company have for the time being at least decided to discontinue operations and to close up the supply depot.

"You see," explained Mr. Wilson, "the war between the United States and Spain has destroyed, for the time being, the market which has hitherto been the principal outlet for southern pine. A large number of mills in the south have, in consequence, been closed, but there is a great deal of this southern pine on hand, and so the owners are shipping it to the Northern States, where they dispose of it at slaughter prices. Having this to contend with, in addition to the \$2 duty, you can see it knocks us out, for the Northern States is, of course, the principal market for Canadian white pine. When the war closes the southern pine will again have its market in the West Indies and the South American countries, but the duty of two dollars per thousand feet Canadians will still have to contend against. That duty is a bad thing for Canadian lumber," added Mr. Wilson with a shake of the head.

"Do you think that if Canada were to put an export duty on logs that it would help matters? That is, would induce Congress to remove the duty?" I remarked.

"I do not," he replied with much emphasis.

"Why?"

"Simply because it would not have the desired effect. What we want to try and do is to get the United States to take off that two dollar duty. That is to what we should devote our energies. Now, what Canadians desire is that mill owners shall set up mills on this side of the line. That is so, isn't it? Well, then, if the export duty is put on logs it will not induce the Americans to remove their import duty; neither will it induce Americans to build mills in Can-

ada. But, on the other hand, get the United States to remove the two dollar duty and it will be an encouragement for Americans to start mills on this side, for it pays better to cut the logs on this side than it does to tow them across the lake and cut them in Michigan."

"But why did not more of them start mills in Canada when the duty conditions were more favorable than they are now?"

"Well, I'll tell you. If you had your money invested in a mill and plant at some point in Michigan you would not be inclined to shut down and remove to Canada as long as your plant was in good condition and did not require replacing. That, then, is the condition of affairs with a good many mill owners in the United States. As these plants became old and obsolete the tendency would be, with the two dollar duty expurgated, to remove to Canada, for the average loss entailed in towing logs across the lake is 10 per cent. What we want is a permanent settlement of this tariff question on lumber. We do not want to be doing one thing this year and undoing it the next."

"Were there many logs left in the woods this winter in your part of the country?" I asked.

"There were some, but not a great many when you consider everything. We got all ours out, and have just finished rafting them at Cutler. I know one man who did not get his out, however. He had 25,000 or 30,000 left in, and it was because of too much water, not because of not enough. You see this particular man had to draw his logs over a certain roadway in order that he might get them into the stream. Well, there was an early thaw, and it created so much water that a part of his roadway, a corduroy one, was washed away, with the result that his logs could not be got to the stream. And it is a serious thing to have your logs lying in the woods over the summer. In the first place, you see, there is a certain quantity of sap in the logs. Well, if the logs lie in the woods all the summer this sap gets into the wood and stains it. That reduces the grade of the lumber. Then there is the worm. It gets into the log, too, and makes holes as big as your finger. That means culls. The average loss through logs being left in the woods over summer is from \$1 to \$2 per thousand feet."

Not only has the Cutler & Savidge Co. stopped operations at Webbwood, but its large mill, which cost about \$150,000 and has a capacity of 200,000 feet per day, is

closed down, all owing to the trade conditions which have been brought about by the war and the United States tariff.

OMAR.

TO INCREASE FOREIGN TRADE.

In order to increase foreign trade in Belgium, an organization, according to an exchange, has been established with headquarters at Brussels. Any person engaged in industry or manufacture in Belgium may become a member. The association is subdivided into fourteen groups, according to the nature of the various manufactures. Members may be enrolled in one or more groups, but pay an additional fee for each registration. The annual fee is \$19.30 for individual members and \$38.60 for corporations. Admission to membership implies the obligation to remain a member for the first five years, and subsequently for terms of three years. This association proposes to establish bureaus of information at home and abroad, sample museums and general financial and commercial agencies in foreign countries. It is believed that this effort will lead to a greatly increased export trade of Belgian products.

A WORD'S HISTORY.

To no word is there a more suggestive meaning attached than to sincerity. When Rome was at the height of its power, men vied with one another in enriching their habitations. The most skilful sculptors were employed, and the choicest marbles freely used. But even in those days workmen were apt to practise tricks for the purpose of deceiving their employers. If they accidentally chipped the edge of the marble they would supply the missing bit by prepared wax, which was not likely to be discovered until the heat of the weather melted it.

This custom became so universal that the owners took the matter into their own hands, and inserted a clause in every contract which provided that all the material used was to be sine cera; that is, without wax. Gradually, this honesty of construction came to be applied to moral qualities, and gave us finally our English word sincere, which means to be devoid of deceit or misrepresentation.—From Ave Maria.

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

BRITISH AND GERMAN TRADE COMPARED.

AS MUCH misapprehension appears to exist respecting the relative importance of the export and import trades of the United Kingdom and Germany, the following table, which is taken from a recent return supplied to the Foreign Office by the commercial attache to the British Embassy at Berlin, may be found instructive :

Year.	Imports.		Exports.	
	Great Britain.*	German Empire.	Great Britain.	German Empire.
	£	£	£	£
1895.....	356,747,287	206,033,450	225,890,016	165,895,000
1896.....	385,575,241	215,358,156	240,145,551	176,256,500
1897.....	391,638,306	229,453,350	234,350,003	176,030,200

* Total imports, less reexports, to get imports for home consumption.

From this it will be seen that for 1897 British imports for home consumption (approximately) had increased by £6,063,265, whereas those of Germany had risen by £14,095,194; and that British exports of domestic produce had fallen off by £5,795,548, whereas German exports of the same description had diminished by £226,300. But of the total loss in British exports from 1896 to 1897 £5,248,000 alone was in the exportation of "cotton and cotton goods." The real position, therefore, of the comparative values of the exports of Germany and England has turned out to be more favorable to British trade than seemed probable on the incomplete figures on German trade published in February last, though the net result is still an advantage of £5,569,248 for the year 1897 for the German Empire, for the losses are £5,795,548 for Great Britain and £226,300 for Germany. The export trade in both countries seems to have received a considerable check last year, as the figures show.

The results for the exportation of metals and their manufactures in 1897, compared with 1896, work out thus :

Class of Goods.	Increase or Decrease for Great Britain in £1,000.	Increase or Decrease for German Empire in £1,000.
	£	£
Iron and steel.....	+ 838	.....
" ironware.....	.....	- 1,146
Machines and millwork...	- 732	.....
Implement, machines and vehicles.....	.....	+ 877

—Ironmonger.

PATENTS GRANTED.

On July 12 the United States Patent Office issued 410 patents; 39 design patents; 17 trade marks; 3 labels and 1 reissue. Out of this number 395 were granted to citizens of the United States, 20 to citizens of England, and 7 to Canadian inventors. Messrs. Marion & Marion, patent experts, Montreal, furnish the following Canadian list :

A Big Company

with a big capital has many advantages. It makes a large and complete organization possible.

Organization means reducing to system in order to produce unity and effectiveness in action. The larger the organization the more thorough it is possible to make the system.

Take **THE SHERWIN-WILLIAMS CO'Y** as an example. It's the largest business of the kind in the world. It's growing now at a more rapid rate than at any other time in its long history. Its large and complete organization and thorough system makes this possible.

The business is divided into four great departments—Manufacturing, Sales, Printing and Advertising and Finance. Each of these departments is managed by men of the highest ability and skill. These four principal departments are then each subdivided into many minor departments. The whole works like a perfect machine—Always the right man in the right place, doing his special work the best way it can be done.

With capital to command the markets and brains of the world, such a business must get as near perfection as possible. It does.

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers,

**CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON**

Walter H. Cottingham
Managing Director
Canadian Dept.

607,337. John R. Brown, Harrison Hot Springs, rock drill; 607,165. Francis J. Freese, Montreal, sole-cutting machine; 607,395. William E. Hurt, Montreal, bicycle support; 607,122. William H. Murray, Tavistock, combined door holder and lock; 607,266. James F. Neilson, New Westminster, B.C., can end crimping machine; 607,070. Addison, Norman et al, Toronto, electric cable for driving conveyances; 29,013. George H. Fenson, Toronto, badge (design).

PAPER FLOORS.

According to a German contemporary, paper floors are enjoying an increasing popularity in that country, due to many advantages possessed by them over wooden flooring. An important advantage consists in the absence of joints, whereby accumulations of dust, vermin and fungi dangerous to health are done away with. The new paper floors are bad conductors of heat and sound. The costs are considerably lower than those of floors made of hardwood. The paper mass receives a small addition of cement as binder, and is shipped in bags in powder form. The mass is stirred into a stiff paste, spread out on the floor, pressed down by means of rollers, and painted with oakwood, nutwood or mahogany coloring, after drying.

GRAIN AND ROOT ACREAGE IN MANITOBA.

A bulletin issued by the Manitoba Department of Agriculture shows that the increase of area under wheat in 1898 is 197,350 acres, and the total area under all crops is 252,917 acres more than in 1897. The area under all crops is 2,210,942 acres, as follows, compared with preceding years :

	Acres.	Acres.	Acres.	Acres.
	1895.	1896.	1897.	1898.
Acres in wheat.....	1,140,276	999,589	1,290,882	1,488,252
" oats.....	482,658	442,445	468,141	514,824
" barley.....	153,849	127,885	153,266	158,058
" flax.....	82,668	20,325	20,653	14,561
" potatoes.....	16,716	12,260	13,576	19,791
" roots.....	6,685	6,715	6,130	8,448
Total.....	1,887,796	1,614,221	1,958,025	2,210,942

THE PREFERENTIAL TARIFF.

Hon. Wm. Paterson has issued a circular entitled "Memorandum of Information and Instruction Respecting the British Preferential Tariff." The following is the certificate :

I—, the exporter of the articles in this invoice have the means of knowing, and do hereby certify, that said invoice being from myself to —, and amounting to —, is true and correct; that all the articles included in the said invoice are bona fide the produce or manufacture of one or more of the following countries, viz., —; and that a substantial portion of the labor of one or more of such countries have entered into the production of every manufactured article included in said invoice to the extent in each article of not less than one-fourth of the value of such articles, in its present condition ready for export to Canada.

"ON TIME."

A NOTED writer says that a bed is a bundle of paradoxes. We go to it with reluctance, yet we quit it with regret. We make up our minds every night to leave it early, but we make up our bodies every morning to keep it late. Yet most of those who have become eminent have been early risers.

Peter the Great always rose before daylight. "I am," said he, "for making my life as long as possible, and therefore sleep as little as possible."

Alfred the Great rose before daylight.

In the hours of early morning Columbus planned his voyage to America, and Napoleon his greatest campaigns.

Copernicus was an early riser, as were most of the famous astronomers of ancient and modern times.

Bryant rose at five, Bancroft at dawn, and nearly all our leading authors in the early morning.

Washington, Jefferson, Webster, Clay and Calhoun were all early risers.

Henry VIII. breakfasted at 7 and dined at 10.

John Jacob Astor and Cornelius Vanderbilt were accustomed to rise at set times each morning, and to retire at definite hours, even though they had company.

Walter Scott was a very punctual man. This was the secret of his enormous achievements. He made it a rule to answer all letters the day they were received. He rose at 5. By breakfast he had "broken the neck of the day's work," as he used to say. Writing to a youth who had obtained a situation and asked him for advice, he gave this counsel: "Beware of stumbling over a propensity which easily besets you from not having your time fully employed—I mean what the women call dawdling. Do instantly whatever is to be done, and take the hours of recreation after business, never before it."

Not too much can be said about the value of the habit of rising early. Late rising is one of the first signs of family degeneracy. Eight hours is enough sleep for any man. Very frequently seven hours is plenty. After the eighth hour in bed, if a man is able, it is his business to get up, dress quickly, and go to work.

"A singular mischance has happened to some of our friends," said Hamilton. "At the instant when He ushered them into existence, God gave them a work to do, and He also gave them a competency of time; so much that if they began at the right moment, and wrought with sufficient vigor, their time and their work would end together. But a good many years ago a strange misfortune befell them. A fragment of their allotted time was lost. They cannot

tell what became of it, but sure enough, it has dropped out of existence; for just like two measuring lines laid alongside, the one an inch shorter than another, their work and their time run parallel, but the work is always ten minutes in advance of the time. They are not irregular. They are never too soon. Their letters are posted the very minute after the mail is closed. They arrive at the wharf just in time to see the steamboat off. They come in sight of the terminus precisely as the station gates are closing. They do not break any engagement nor neglect any duty; but they systematically go about it too late, and usually too late by about the same fatal interval."

Some one has said that "promptness is a contagious inspiration." Whether it be an inspiration or an acquirement, it is one of the practical virtues of civilization.—Pushing to the Front.

HOW TO GET GOOD WORKERS.

In these days of restlessness among the hand workers manufacturers may well seek ways by which to attach employees to their interests, says an exchange. This can only be done by genuine and legitimate means. The old apprentice system was burdened with many abuses, but that an apprentice system can be made the means of providing competent workmen and of identifying them in the closest way with the house in which they are instructed is amply proven.

PIG IRON TRUST MAY BURST.

A press despatch from Cleveland, O., says: "It is said the fact that the Bessemer pig iron trust has ordered an advance of 50c. per ton, effective August 1, may be the cause of the disruption of that organization. The members of the trust in this city admit that the combine may be declared illegal under the recent enactment of the Legislature. The order for the advance was made several weeks ago. Each member of the association was obliged to sign an agreement to advance prices. Recently the members of the combine received communications from its officials warning them against the danger of making public the information. An official of the firm of Pickands, Mather & Co., a leading iron firm, is quoted as saying concerning the matter: 'Yes, an advance has been ordered. There is some fear of interferences by the State officials. I do not know whither the pig iron organization would come under the recent law on combinations or not.'"

HARDWOOD VS. BAMBOO HANDLES.

Boeckh Bros. & Co., broom manufacturers, etc., Toronto, who for some time have been manufacturing brooms with bamboo handles, state that in the course of a few years, they expect bamboo handled brooms will entirely supplant the ordinary heavy hardwood handled broom.



GILBERTSON'S
"COMET"
BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . . 22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

WHOLESALE
HARDWARE

37 Front Street West

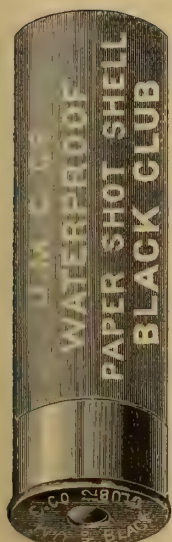
TORONTO

THE AMERICAN POWDER MILLS

CELEBRATED

GUNPOWDER

UNSURPASSED BY SIMILAR GRADES OF
ANY MANUFACTURE.



Cartridge Cases

Ely's, U. M. C.
and Dominion.

Metallic Cartridges

U. M. C. and Do-
minion.

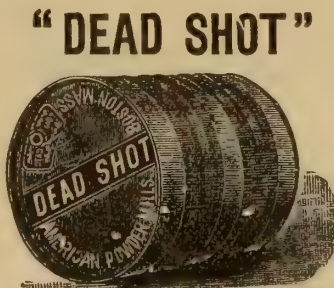
Fuse

Hemp, Single
and Double.
Tape.

Gun Wads



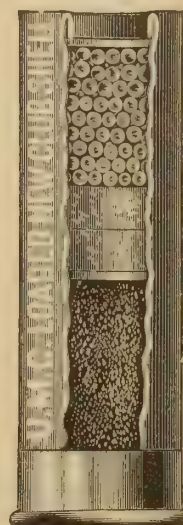
Dead Shot, FG.



"DEAD SHOT"



Dead Shot, FFG.



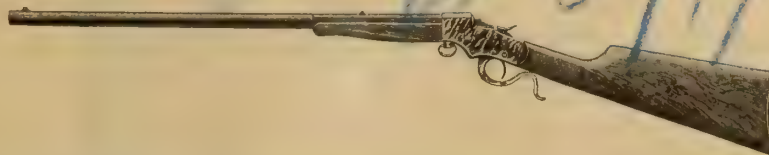
Loaded Shells

U. M. C. and Do-
minion.

Gun Caps and Primers

**Smokeless Powders
Schultze**

A most remarkably and universally popular Brand for general *FIELD* and *TRAP* shooting. Has for thirty years steadily grown in favor in the United States. *STRONG, UNIFORM*, can be *USED ALL DAY* without cleaning the gun: being a *MOIST BURNING* Powder, it is, for every day use, the sportsman's favorite. *DEAD SHOT* is packed in air-tight metal packages, each containing twenty-five pounds.



"Stevens Favorite Rifles."



Piper's Guns, Winchester and Marlin Rifles.

LARGE ASSORTMENT

GRAHAM Cut and Wire Nails are the Best.

CLOSE PRICES

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

WADSWORTH & McDONALD, general merchants, Boulter, Ont., have assigned to F. M. Devine, Renfrew.

Hector Hudon, general merchant, St. Ange, Que., has assigned.

F. S. Allard, general merchant, Rimouski, Que., has assigned.

Absalom Wheeler, lumber merchant, Mooretown, Ont., has assigned to James Flintoft.

Gibeau & Co., general merchants, South Durham, Que., have assigned to Lamarche & Benoit.

J. W. Brownell, manufacturer of bicycles, St. Thomas, Ont., has assigned to B. F. Honsinger.

Application has been made for the winding up of the British Columbia Iron Works Co., Limited, Vancouver.

A trustee has been appointed for the firm of Eugene F. Taylor, general merchant, Harbor Grace, Nfld.

Irwin & Gildardt, manufacturers of brass goods, London, Ont., have assigned to Alfred Robinson, London.

The W. E. Gillespie Co., Ltd., general merchants, Penetanguishene, Ont., have assigned to R. Tew, Toronto.

Wm. Foley, hardware dealer, Woodville, Ont., has assigned to Peter Mitchell, Lindsay, and a meeting of his creditors will be held on the 30th inst.

A meeting of the shareholders of the Kingston Vehicle Co., Kingston, Ont., has been called for the 30th inst. for the purpose of appointing a liquidator and inspectors for the affairs of the company.

PARTNERSHIPS FORMED AND DISSOLVED.

Hebert & Galarneau, carriagemakers, Montreal, have dissolved.

Lapointe & Dagenais have registered co-partnership as contractors in Montreal.

Dorais & Prenoveau have registered partnership as carriagemakers in Lac A La Tortue, Que.

W. J. Macdonald & Co., general merchants, Whitewater, B.C., have dissolved, W. J. Macdonald continuing.

Frs. X. Mathieu and Napoleon Gignac have registered as partners under the style of Mathieu & Gignac, lumber dealers, Quebec.

SALES MADE AND PENDING.

The assets of A. H. S. Bessette, general merchant, Magog, Que., are to be sold on Aug. 1.

Rathay & Skelding, hardware and harness dealers, Pipestone, Man., have sold out their harness business to F. Palmer.

CHANGES.

A. R. Chisholm has opened out as lumber dealer in Edmonton, Man.

Robert Walker, general merchant, Blake, Ont., has been succeeded by Robert Nichol.

FIRES.

Neil Cayouette, sawmiller, St. Moise, Que., has been burned out.

Anderson & Co., stove and tinware dealers, Carberry, Man., have been burned out; loss, \$1,000; insurance, \$600.

The rotary mill of Thomas Hetherington, general merchant, etc., Cody's, N.B., has been burned; loss about \$700; no insurance.

DEATHS.

Samuel C. Ranson, dealer in agricultural implements, Minnedosa, Man., is dead.

Winburn Archibald, of W. T. Archibald & Co., general merchants, Truro, N.S., is dead.

Eugene Bernier, of Eugene Bernier & Co., general merchants, St. Simon, Que., is dead.

BAD ROADS AND SMUGGLING.

E HENNESSY, of E. Hennessy & Co., general merchants, Chatham, Ont., was in Toronto on business a few days this week, and gave **HARDWARE AND METAL** a call. In answer to a question regarding business in Chatham, Mr. Hennessy replied: "Business has been decidedly poor; not more than half what it usually is. The causes are, to a large degree, local, but I presume other towns may be affected to a smaller extent by them. The chief reason is bad roads. Chatham is situated in one of the finest farming districts in Canada, but its roads are, at times, the worst in Canada, and the floods in the early spring made them the worst they had been for years. These bad roads have had the effect of limiting the area of the surrounding country that depends on Chatham for supplies. The farmers and others at any distance have two alternatives: To buy their goods at one of the many village stores, or take a trip to Detroit, lay in a good supply, and smuggle their purchases over the border.

"The low rates to Detroit, 80c. return fare by train, and 40c. return by boat, have largely increased the amount of smuggling done."

Mr. Hennessy thought it possible that the move of the Government in placing special officers along the border to prevent smuggling might be a good one. "But," said he, "the decrease in smuggling, due to their advent, is hardly noticeable yet."

"As Chatham has," Mr. Hennessy continued, "no large manufacturing establishments there is not a great deal of impulse to trade from within, so it is natural that with such deterring influences as bad roads and cheap fares to a city like Detroit, business should languish somewhat."

Mr. Hennessy is hopeful, however, that the fall trade will show much improvement over the spring and summer trade.

Emery and Hardware SpecialtiesHamilton, Ont. **COOKE HARDWARE CO.**

PICTURE CORDS, SHADE CORDS, PICTURE and SHADE HARDWARE, SOLID BRAIDED CORDAGE, BICYCLE DRESS GUARD LACING.

.....Ask your jobber for our goods

THE OSSAWAN MILLS CO.

Norwich, Conn., U. S. A.

Covert Mfg. Co.

West Troy, N. Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring. "The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety, Toilet, Hand, Electric Power **ARE THE BEST.** Highest Quality Grooming and Sheep-Shearing Machines. **WE MAKE THEM.** SEND FOR CATALOGUE TO American Shearer Mfg. Co., Nashua, N.H., USA

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.

Agent for: Spear & Jackson, Sheffield, saws, tools, etc. H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co. Halifax, N.S., skates; Atkinson Bros., Sheffield, cutlery.

Wholesale trade only.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplate, Tinned Sheets, Terne Plates, Canada Plates. Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

The Fork Handle Season is now on.

We have a very heavy stock—can ship promptly, and supply the best. Kindly write us for prices and secure samples before booking your orders for Axe Handles for Fall Shipment. We will be in a position to supply thoroughly seasoned goods, and of the finest quality of second growth hickory. We make a specialty of

"Hand Shaved" Octagon Axe Handles
(Made by Indians)

being the largest dealers in Canada in this line. Can give exceptional value in this handle for fall business.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.

Seasonable Goods



Newmann Freres' Celebrated Guns.

Winchester, Marlin, and Stevens Rifles.

Smith & Wesson, and Iver Johnson's
Revolvers.

Union Metallic, Winchester and Dominion
Ammunition.

Boker & Winslow's Guaranteed Skates.

Hockey Sticks, Skate Parts, Straps, etc.

Sleigh Bells, Saddle Gongs and Chimes.

Cattle Chains, Oneida and English.

Write us for
Catalogues
and Prices
before
purchasing.

CAVERHILL, LEARMONT & CO.

HARDWARE . . .
MERCHANTS

Montreal.

MACHINERY AT THE WINNIPEG FAIR

THE exhibiton recently closed at Winnipeg will long be remembered in the history of agricultural machinery. There has always been a good display in this line, and the exhibition directors thought when they built the implement hall that they had provided all the accommodation necessary, but this year the hall was greatly enlarged, and even then was quite inadequate to the exhibits sent in and almost at the last moment a huge platform had to be erected in front of the hall to hold the exhibits.

Manufacturers of agricultural implements seem suddenly to have realized the value of Winnipeg as an advertising centre and bend all their energies towards giving the visitors to the exhibition an idea of what progress has been made in agricultural machinery. All the agencies represented in the Province exhibited and concentrated their men here for that week, and some who have been here before made large exhibits. In the implement hall many of the dealers had erected fancy tents or booths where visitors could rest, and outside many tents of a like kind were put up for the accommodation of visitors and the distribution of literature on machinery. And the efforts of the men did not go unrewarded. At all hours of the day and as long as it was light you would see groups of men gathered around some machinery, examining, listening to an agent, asking questions, discussing theories. The machinery was nearly all shown in operation at one time or other. A large space in the west of the hall was devoted to traction engines, threshers, feed boilers, fireguard and weed machines, steam ploughs and the like. It is safe to say that never in the history of the Province did the farmers of Manitoba get so practical a lesson on the running of farm machinery from the actual makers of the machine. Then, they were shown all the latest improvements in attachments which could be added to the machines already in use, and woe be to the country agent whose stock is not up-to-date after this. One noticeable feature of this exhibit was the large number of ploughs, and the convenient pumps for farm use. Usual exhibits of this kind are largely confined to mowers, rakes and binders, and of course these were there in plenty, but many remarked that such a display of ploughs, cultivators and machinery for the better cultivation of the soil had never been gathered together here before, and that it marked an era in farming. The farmer was no longer depending for his returns simply on the richness of the soil, but more and more each year on the amount of cultivation he could give it. Another feature remarked was the great number of wind-mills. Whether there was any connection

between these mills and the windy utterances with which machine agents are often credited was not revealed.

Another display of interest was the huge pyramid of drain pipe erected in an open space near the main roadway, and decorated with flags from bottom to top.

The display in stoves and general hardware was good, but not as large as in some years. A prominent feature of these displays, however, was the blue and white flame oil stoves, and a gratifying result was the number of farmers' wives who made enquiries as to their working, and expressed a determination to get one.

CATALOGUES, BOOKLETS, ETC.

Caverhill, Learmont & Co., wholesale hardware dealers, Montreal, are making a feature of catalogues this year. They have just issued no less than three special catalogues for 1898-99, one devoted to bicycles and their accessories, arms and ammunition, another to skates, hockey sticks, sleigh bells and cattle chains, and the third to table cutlery. The first mentioned contains a comprehensive and thoroughly illustrated list of the numerous double and single breech loading guns, rifles, revolvers, gun covers, shot pouches, game traps, hunting knives, etc., carried by them. A brief but thorough description of the "Columbus" bicycle, with its special features, together with a list of the bicycle bells, lamps, etc., carried, is included in this book. The catalogue devoted to table cutlery contains illustrations of over three dozen different table knives, also butchers' steels, painters' knives, butchers' knives, etc. A casual glance at the catalogue devoted to skates, sleigh bells, etc., shows at once that Caverhill, Learmont & Co. carry a large assortment of skates and a choice variety of bells. Altogether, these three catalogues convey a large amount of information such as the up-to-date hardware dealer is continually referring to. Write for these books.

WANT \$12,000 BONUS.

John Bertram & Sons, manufacturers of machinery, tools, etc., Dundas, Ont., purpose enlarging their works extensively in the near future. This move has been made necessary by the fact that they have orders for six months now on hand, and also desire to start manufacturing a new line of machinery. They have made application to the Dundas town council for a bonus of \$12,000. The application was referred to the finance committee of the council, which committee was instructed to prepare a by-law which will be submitted to the electorate of the town.

By the provisions of an Act just made law trading stamps can be no more issued in Boston.

NOVA SCOTIA INSOLVENCY LAW.

THE new Nova Scotia Insolvency Act may now be said to be fairly launched and in working order. In past issues we have referred to its various provisions and clauses which are aimed to prevent the former scandalous exhibitions of fraudulent preferences, and the many other similar tactics of dishonest traders.

On all hands it is admitted that the value of this new Act in improving these conditions will depend largely upon the officials whose duty it will be to enforce it in a thoroughly systematic and capable manner, and we have no hesitation in congratulating the Provincial Government on the appointment of Mr. Faulkner as the official assignee for this country. As manager of the R. G. Dun Co. in this city for a number of years, his experience in that connection will serve him in very good stead in his new position.

We look for a very much improved order of commercial credits as a result of the first year's working of the new law, and the benefits will be felt particularly by the legitimate dealers who have always aimed to conduct their business on an honorable and equitable basis, but who have been subjected to the merciless competition and price cutting of the irresponsibles who have been pitchforked into various lines of retail trade.

We also believe that the new Act will obviate an immense amount of costly litigation, which has been nearly always a prominent feature in connection with insolvent estates, here as well as elsewhere, and, although our friends of the legal fraternity may suffer from this enforced inactivity, the business interests will be therefore relieved of a source of expense, which, in some instances, has devoured nearly all the available assets of an insolvent estate.

The appointment of an official assignee is a necessary sequel to the proper administration of the law, and under his superintendence we hope most of the bankrupt business men will find it to their advantage to place their affairs when involved, so that their business reputations may not be tainted by the odor of suspicion which emanates even from the most honest assignment, where relatives or others closely connected are appointed as assignees.—Maritime Merchant.

PERSONAL MENTION.

C. W. Meakins, manager for Meakins & Co., is spending a couple of weeks in Hamilton.

Mr. Wm. Peaker, the senior partner in the old established firm of Peaker & Son, Brampton, was in town this week. Mr. Peaker is contemplating a trip on the upper lakes by way of a summer vacation. We wish him a jolly time and a "heap big fish."

THEY HAD A JOLLY TIME.

THE Toronto staff of the Canada Paint Company, Limited, held its annual picnic at Jackson's Point, Lake Simcoe, on Saturday last.

A small detachment was detailed to act as "home guard" at the factory, in case of peremptory orders, and the balance of the workmen, accompanied by the heads of departments, spent a jolly time. A demi of acetic acid and a barrel of silicate of soda were taken along to make cooling drinks, and first-class accommodation for all hands was provided by mine host Macdonald of the "Lass O' Lourie" Hotel, Jackson's Point. After an enjoyable day the picnickers returned to town, each carrying good strings of speckled beauties. "Enough fish," as a bystander remarked, "to almost start a second Billingsgate."

A BIG ELECTRICAL SCHEME.

In the colliery districts of Derbyshire and Yorkshire, according to an English exchange, an electrical scheme on a colossal scale has been initiated. It is proposed to supply electricity for lighting, traction and other purposes to a district covering 2,000 square miles, and including the important cities and towns of Sheffield, Rotherham, Lincoln, Gainsborough, Newark, Nottingham, Ilkeston and Worksop. The generating station is to be at Worksop, which is in the midst of a great colliery district, where slack is plentiful at 2s. per ton.

IVORY IN THE CUTLERY TRADES.

Reference was recently made in The Hardwareman to the increasing use of carved ivory in the cutlery and plating trades, and to the difficulty involved in getting the carving done at home. The statements then made have excited some interest, and, as the result of further inquiries, it has been ascertained that the Sheffield representative of one of the leading French houses doing such work is Mr. H. Lloyd, of Union Lane. He recently visited the works in Paris, and saw the ivory carvers at their employment, and a most intelligent, well-dressed body of men they seemed to be. He was much impressed by the marvellous dexterity with which they used the graver, as well as by the facility with which they hit off new designs. Mr. Lloyd has at his works the most beautifully-carved ivory handles for cutlery, umbrellas or walking sticks, as well as ivory parts for silver and plated goods, done at a price that could not be touched here even if there were people to do it. He also has some Zulu trumpets. They are short tusks from which the ivory has been cut away, leaving raised designs of various descriptions upon them. The Zulus

are very keen to possess one of these ivory trumpets. Mr. Lloyd has of late gone more extensively into the chasing, pressing, and piercing of silver and German silver goods, a very considerable demand having set in for them. He attributes this partly to the fact that most cutlery houses now do with silver and plated wares, and in calling upon ironmongers with the one they have introduced the other; and as goods so treated can be offered at a very moderate figure, they are commanding a good sale. Among the special lines that are going freely are waiters and biscuit boxes.—Hardwareman.

PROGRESS OF INVENTIONS.

The annual report of the Commissioner of Patents of the United States for the calendar year 1897 has been sent to Congress, and possesses unusual interest. There were 45,661 applications for patents received, besides the applications for designs, trademarks, labels, caveats and prints. There were 23,729 patents granted, including designs; 1,671 trade marks were registered; 14 labels and 16 prints were issued, and 65 patents were reissued. 12,926 patents expired by limitation. The total expenditures of the office were \$1,122,843; the receipts of the office in excess of its expenditures were \$252,798, and the balance in the treasury to the credit of the patent fund on January 1, 1898, was \$4,971,438.

In proportion to population, more patents were issued to citizens of Connecticut than to those of any other State—I to every 786 inhabitants. Next in order are the following: Massachusetts, District of Columbia, New Jersey, Rhode Island, and New York. To residents of England, 706 patents were issued; to residents of Germany, 551; Canada, 286, and France, 222.

HARDWARE AND METAL is indebted to Marion & Marion, solicitors of patents, Montreal, for the above information.

ORDERS FOR FILES.

The Globe File Manufacturing Co., Port Hope, Ont., regrets the delay in placing its new Crescent brand of files and rasps on the market, but HARDWARE AND METAL has been informed that the company has now commenced filling orders, and will execute in the order in which they were received. It is expected all orders will be filled promptly after August 15.

Mr. Alex. Gibb, St. John street, Montreal, reports arrival of first shipment of "Comet" galvanized sheets some time ago, and the quality and finish are giving splendid satisfaction. He also reports several good repeat orders.

Portland Cements

Best German, English and Belgian Brands

**Calcined Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.**

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

... TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

The Canadian Mining Exhibit Co., Limited

Will give you any information in reference to Mines or Minerals found in your district.

Assays made by their own Assayers

If you have or know of any Minerals you do not know the value of, send Samples to us, and we will let you know whether it is worth anything to you.

Mining Properties Valued by Experts.

THE CANADIAN MINING EXHIBIT CO., Limited

650 Craig Street ... MONTREAL.

Buy the Best.



HERCULES

Sash Cord.

**Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine**

For Sale by all Wholesale Dealers

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, July 29, 1898.

HARDWARE.

BUSINESS during the week has not been of a striking character, but, though it is not brisk, all the leading houses agree that each day's turnover results in quite a respectable aggregate of orders shipped. Demand is well distributed over most descriptions of hardware, wire nails, cut nails, horse-shoes, screws, carriage and tire bolts, rivets and cordage, attracting most of the current orders: but hinges, harvest tools and preserving ware are not by any means neglected. Values this week show no change of moment.

BARB WIRE—There is very little business to note in barb wire, and prices are unchanged, the base being \$2 f.o.b. Montreal.

PLAIN WIRE—Business dull and discounts unchanged at 40 per cent. on oiled and annealed, and 35 per cent. on galvanized, with the usual terms.

WIRE NAILS—Demand is confined to

small lots of material, but it is still considerable in the aggregate.

CUT NAILS—Demand from ship chandlers and naval storekeepers is about the only business noted in this line. We quote \$1.75 base f.o.b. Montreal, Toronto, Hamilton and London.

HORSE NAILS—There is no change in this line, and dealers here fail to experience the improvement noted by western firms. Discounts are 50 per cent. on standard and 50 and 30 on "Acadia" special pattern.

HORSESHOES—Orders for these are reported, but they are of a very moderate character. We quote: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35.

SCREWS—A steady quiet trade is noted. Discounts are: Flat head bright, 87½ and 10; round head do., 80 and 10; flat head, brass, 82½ and 10; round head brass, 75 and 10. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75 and 10.

BOLTS—There is a fair enquiry for carriage

and tire bolts. Discounts are as follows: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS—Meet a moderate demand. Discounts are: Iron, black and tinned, all sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—There has been some fair orders noted for rope since the decline noted last week. We quote as follows: Sisal, 7-16 and up, 10½c.; ¾, 11c.; 5-16 and ¼, 11½c., and 3-16, 12c.; manilla, 7-16, 12¾c.; ¾, 13¼c.; 5-16 and ¼, 13¾c., and 3-16, 14¼c.

CLOTHES WRINGERS—Quiet and unchanged, with Royal Canadian moving to a small extent at a \$29.

BELTING—There has been a moderate enquiry experienced for belting, with discounts unchanged.

HINGES—Orders for these are reported to a small extent. We quote: 6 to 12 inch, \$3.50, and 14-inch, \$2.50.

FAMOUS OAK

ENTIRELY NEW.

Burns Hard or Soft Coal, or Wood. 3 Sizes—Nos. 120, 130 and 140.

The Handsomest Oak Stove in Canada.

Screw dampers in feed door and ash pit door are ground to fit, thus rendering the stove

Perfectly Air-tight

Keeps the fire under control, and thus

Very Economical on Fuel.

The aprons surrounding the fire pot

Radiates the Heat Near the Floor

where it is most needed. Keep up to the times by ordering a sample.

IF YOU WANT YOUR GOODS QUICK, ORDER FROM McCLARY'S.

THE McCLARY MFG. CO.

LONDON, TORONTO, MONTREAL,
WINNIPEG and VANCOUVER.





APOLLO BEST BLOOM
GALVANIZED IRON.

There are builders and builders.
Some buy cheap galvanized iron
rolled thin; and some buy Apollo.

Apollo Iron and Steel Company,
Pittsburgh, Pa.

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.
FACTORIES

...MONTREAL

CUT NAILS

Clinch and Pressed Nails,
Horse Shoes (Steel and
Iron), Railway and Pressed
Spikes, Mine and Wharf
Spikes, Drift Bolts, Wash-
ers (Steel and Iron).

CANADA IRON FURNACE CO.,
Limited.

Manufacturers of

CHARCOAL PIG IRON
MONTREAL.

BRAND "C.I.F." THREE
RIVERS

PLANTS AT

Radnor Forges, Que.
Lac a lac Tortue.

Three Rivers.
Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

GREEN WIRE CLOTH—Sorting business
is the only business reported and prices are
unaltered.

SPADES AND SHOVELS—Continue quiet
with discounts 40 and 10 per cent.

TOOLS—Harvest tools are asked for to a
fair extent.

BUILDING PAPER—Trade generally quiet
and prices steady.

CUTLERY—Enquiry is beginning to be
felt for cutlery for forward account.

WARE—Iron and tinware for preserving
purposes is meeting the usual seasonable
enquiry.

CEMENT—Demand during the past week
has not been as good as it was, but prices show
no change, and we quote: English, \$2.25 to
\$2.35; German, \$2.30 to \$2.45; Belgian,
\$1.80 to \$2, and Canadian \$1.60 to \$1.80.

FIREBRICKS—A fair trade is reported in
firebricks, and prices are steady at \$16 to \$21
per 1,000, according to brand.

METALS.

The heavy iron and metal market is
rather quieter than it was a week ago, both
from first and second hands, and there have
been few changes of importance as a rule.
With the exception of bar iron, values
exhibit firmness, especially copper, tin and
spelter, the former being stiff, though quot-
ably unchanged, while the two latter have
advanced.

PIG IRON—Business in this line has been
chiefly confined to Hamilton pig, sales of
250 ton lots of No. 1 being noted at \$15,
with smaller quantities at \$16. Nothing is
doing in Scotch pig, and a representative of
United States pig, who was in the city
during the week, left without getting an
order. We quote as follows: No. 1 Ham-
ilton, \$15 to \$16; No. 2, \$14.50 to \$15;
Ferrona, \$15; Siemens \$15, and Sum-
merlee and equal brands, \$17, ex wharf,
and \$18 to \$18.50 ex yard.

BAR IRON—This article has, it is claimed,
been materially shaded in the case of round
lots, less than \$1.35 being accepted, it is
said. However, we quote the ordinary job-
bing base at \$1.35.

HOOPS AND BANDS—There is little or
nothing doing in these, and we quote \$1.75
for the latter and \$2 for the former.

SHEET IRON—There has been some
enquiry for these, but not extensive. We
quote: \$2.15 on 10 to 16 gauge; \$2 on 18 to
20 gauge; \$2.10 on 22 to 24 gauge; \$2.
20 on 26 gauge, and \$2.25 on 28 gauge.

SHEET STEEL—Jobbers here are asking
rather firmer prices on this line. We
quote as follows: 12 gauge, \$2.20 per
100 lb.; 16 gauge, \$2.35; 18 to 20,
\$2.25 to \$2.35; 22 to 24, \$2.25 to \$2.35;
26, \$2.30 to \$2.40; 28, \$2.40 to \$2.50;
"Dead Flat," 14 to 16 gauge, \$3.25
per 100 lb.; 18 to 20, \$3; 22, \$3.10; 24,
\$3.50; 26, \$3.75.

TINPLATES

The following brands have all been thoroughly
tested and command the preference in their re-
spective grades, for uniformity in quality and
tinning:

BEST COKE—"Lydbrook" and "Trym."

CHARCOAL—"Allways" and "Canada Crown."

BEST CHARCOAL—"Dominion Crown" (tissued).

EXTRA CHARCOAL—"Dominion Crown Best
Best" (tissued).

Lowest prices for import, to wholesale
buyers only.

A. C. LESLIE & CO.

Montreal.

"GREENING'S

Cow Ties."

These Cow Ties have stood the test for years.
Undoubtedly the best and strongest on the
market.

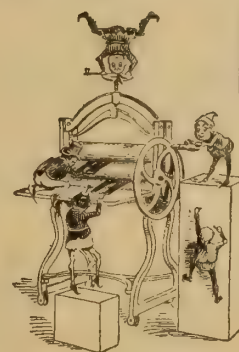
It will pay to handle only the best.

A complete line of all sizes ready for shipment.

For sale by all jobbers.

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MONTREAL AND HAMILTON



Mangles

Always in season,
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in hot weather.

Three different
kinds—send for
Catalogue.

Should be univer-
sally used.

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HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers,
Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

LEAD PIPE—Firm with demand moderate; Composition waste $7\frac{1}{2}$ c., and lead pipe 7c., discount 25 per cent.

GALVANIZED IRON—Deliveries of this material are still slow, while enquiry is fairly active. Values are firmly held at \$4.15 and \$4.25 for "Queen's Head," and \$3.75 for "Comet," No. 28.

TINNED IRON—Remains quiet but firm.

PIG LEAD—Very little is doing, but values art stiff at \$3.80.

INGOT TIN—The firm feeling already noted in this line has been accentuated, and we now quote the range $17\frac{1}{2}$ c. to 18c.

INGOT COPPER—There has been some enquiry for copper and prices are firm as last quoted at 13 to $13\frac{1}{2}$ c.

SHEET COPPER—Quiet and unchanged at $16\frac{1}{2}$ c. for 14-oz., and $15\frac{1}{2}$ c. for 16-oz.

CANADA PLATES—There is little doing from second hands, but importers are anxiously waiting deliveries, which are very tardy. Values are firm: 52's, \$2.15 to \$2.20; 60's, \$2.30, and 75's \$2.40 to \$2.45. Full polished, \$3.

TIN PLATE—There is some enquiry for these, and prices are quite firm. We quote as follows: Coke, I.C., \$2.90 to \$3.25; charcoal, I.C., Allaway or Comet brands, \$3.25; do, I.X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I.C., \$3.95; do, I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—In fair enquiry between houses whose stocks seem poorly assorted. The basis is held stiff at \$6 to \$6.25.

COIL CHAIN—Quiet business doing. We quote: $\frac{1}{4}$ -inch, \$5; 5-16, \$3.50; $\frac{3}{8}$, \$3.25; 7-16, \$3.15; $\frac{1}{2}$ -inch, \$3, and $\frac{3}{4}$ up, \$2.85.

SHEET ZINC—Quiet, but firm, at $5\frac{3}{4}$ to 9c.

SOLDER—As last reported, at 11 to $11\frac{1}{2}$ c.

SPELTER—Holders are asking an advance on spelter, and have received it in the case of Vieille Montague, a good-sized lot realizing \$5.50 the other day. American is quoted at \$5.40.

ANTIMONY—A few cask-lots have sold at $9\frac{1}{4}$ c.

IRON PIPE—There has been a fair enquiry for iron pipe. We quote: Black pipe, $\frac{1}{4}$ -inch and $\frac{3}{8}$ -inch, \$1.95; $\frac{1}{2}$ -inch, \$2.20; $\frac{3}{4}$ -inch, \$2.65; 1-inch, \$3.65; $1\frac{1}{4}$ -inch, \$4.75; $1\frac{1}{2}$ -inch, \$6.25, and 2-inch, \$8.25. Galvanized, $\frac{1}{2}$ -inch, \$3.85; $\frac{3}{4}$ -inch, \$4.70; 1-inch, \$6.50; $1\frac{1}{4}$ -inch, \$9; $1\frac{1}{2}$ -inch, \$11.50, and 2-inch, \$16.

GLASS.

There has been a good enquiry for glass for forward delivery. We quote: First break, \$1.50; second, \$1.60 per 50 feet; first break per 100 feet, \$2.80; second, \$3; third, \$3.30; fourth, \$3.50; fifth, \$3.70; sixth, \$4.25, and seventh, \$4.75.

PAINTS AND OILS.

The business of the week in this department has been without special feature. Demand is moderate and prices generally without alteration. With a good consumptive demand turpentine is firmer at shipping points, but on account of the heavy crop no material change is looked for. Linseed oil also maintains its firmness, but without any change in local quotations. Colors and paints are unchanged.

WHITE LEAD—Best brands, Government standard, \$5.62 $\frac{1}{2}$; No. 1, \$5.25; No. 2, \$4.87 $\frac{1}{2}$; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, $4\frac{1}{2}$ c.; kegs, $4\frac{3}{4}$ c.; No. 1, casks, $4\frac{1}{4}$ c.; kegs, $4\frac{1}{2}$ c.

WHITE ZINC PAINT—Pure, $6\frac{1}{2}$ c.; No. 1, $5\frac{3}{4}$ c.; No. 2, 5c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 49c.; boiled, 52c., five-barrel lots one cent less net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 43c.; large lots, 1c. less, the same terms as linseed oil.

PARIS GREEN—Pure, in barrels, $16\frac{1}{4}$ c.; 250-lb. kegs, $16\frac{1}{2}$ c.; 50 to 100-lb. drums, 17c.; 1-lb. packets, 18c.; 1-lb. tins, $18\frac{1}{2}$ c.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at $8\frac{1}{4}$ to $8\frac{1}{2}$ c.

SEAL OIL—37 to 40c.

COD OIL—Supplies light, and prices firm at 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, $4\frac{1}{2}$ to $5\frac{1}{2}$ c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

There has been no further change in hides since last week, and we quote: No. 1, 9c.; No. 2, 8c.; and No. 3, 7c.

PETROLEUM.

Firm at last week's rise. We quote: Canadian Crown Acme, 15c.; refined, 12c. in car lots, and 13c. in smaller quantities; American prime white, $15\frac{1}{2}$ c. in small lots; water white, $16\frac{1}{2}$ c.; Pratt's astral oil, $18\frac{1}{2}$ c.

MONTREAL NOTES.

Spelter has realized a material advance in the market during the past week.

Deliveries are still complained of in galvanized iron, Canada and tin plate.

Holders are asking rather firmer prices on sheet steel than they were a week or so ago.

The chief business in pig iron in this market is confined almost solely to Hamilton iron.

Turpentine is firm at primary points, but the large crop will operate against any advance in prices.

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for
Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and
Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

We are the Oldest and Largest Manufacturers of

SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

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John Morrow Machine Screw Co.

Ingersoll - Ontario.

"THE DAISY"



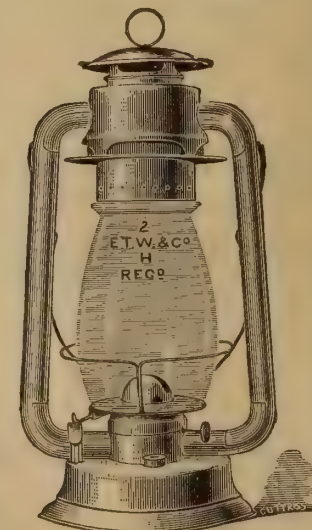
Barrel Churn
with Roller Bearing Stand is the favorite, and takes the lead everywhere. More sold than all other kinds. Improved vent supplied when required. The old style clumsy stand is not to be compared with our neat, strong, common sense, Roller Bearing Stand. Buy The Daisy, or you will miss it.

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Tubular and
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Bird Cages
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FOR NEW BUILDINGS OR IMPROVING OLD ONES.

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**METALLIC CORNICES
SKY LIGHTS
SHEET METAL FRONTS,
ETC.**



They give a very handsome effect, and are durable, warm, fireproof and economical.

These are the popular, up-to-date building materials—and we can supply the trade with any pattern, size and shape required.

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Screen Doors

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Full stock of seasonable goods. Prompt shipment. Close prices.

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**Dominion
Wire
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Limited.**

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TORONTO.

Iron, Steel,
Brass and
Copper ..

WIRE

WIRE NAILS and WOOD SCREWS
BRIGHT WIRE GOODS

STEEL and BRASS JACK CHAIN
"CRESCENT" COAT and HAT HOOKS

Ask for "Dominion" Goods.

Guaranteed and
SECOND TO NONE.

ONTARIO MARKETS.

TORONTO, July 29, 1898.

HARDWARE.

THE week has not been noted for any striking features. The usual mid-summer quietude is becoming more pronounced, the general opinion being that the volume of business is smaller than it was a week ago. At the same time, however, the wholesale houses are by no means idle, for a good trade is still being done considering the time of year it is. A good many skates are being shipped this week by some of the houses in order that the advantage of the rebate in the duty on the German made article may be enjoyed while it lasts. A good many orders for sleigh bells and lanterns have also been booked. Fence wire of different kinds is still quiet, and wire nails are not, perhaps, as much wanted as they were. The demand is improving for both horseshoes and horse nails. A good many bolts and rivets and burrs are still going out. In spades and shovels and harvest tools business is getting into small compass. A fair business is being done in cutlery.

BARB WIRE—Scarcely anything doing. We quote: \$1.80 f.o.b. Cleveland, and \$2 from stock, Toronto. Terms, 30 days or 2 per cent. 10 days.

ORDINARY FENCE WIRE—Quiet and unchanged. Discounts are: Annealed, oiled and annealed, 35 per cent.; galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 65 per cent.

WIRE NAILS—Trade is falling off a little. The ruling price is still \$1.80 to \$1.85 per keg, Toronto.

CUT NAILS—The volume of business is much about the same as it was a week ago. Base price is \$1.75 per keg, Toronto, Montreal, Hamilton, London.

HORSE NAILS—The improvement noted last week has been maintained. Discount: Standard, 50 per cent.; Acadia, 50 and 20 per cent.

HORSESHOES—A better demand is to be noted. Quotations are as follows: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—A fair, seasonable trade continues to be done. Discounts are as follows: Flat head bright, 87½ and 10; round head bright, 80 and 10; flat head brass, 82½ and 10; and round head brass, 75 and 10 per cent. Machine screws, iron and brass, flat head, 87½ and 10 per cent.

BOLTS—Trade is still good, particularly in tire and carriage bolts. Quotations are: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger,

60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¾ c.; hexagon, 5¼ c.

RIVETS AND BURRS—A pretty good trade is being done. We quote: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—Trade is only fair, with the market easy. We quote as follows: Sisal, 7-16 in. and larger 10½ c.; ¾ in., 11 c.; ¼ and 5-16 in., 11½ c.; Manilla, 7-16 in. and larger, 13 c.; ¾ in., 13½ c.; ¼ and 5-16 in., 14 c.; deep sea line, 13½ c. for water laid, and 14½ c. for machine-made; hemp, 7 to 9 c.; lath yarn, 8½ c.

CHURNS—A little better demand is to be noted, although no large quantities are wanted. We quote discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Trade continues quiet. We quote as follows: "New Leader" "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50.

BELTING—Trade is improving. We quote leather belting as follows: Agricultural, 65 and 5 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

HINGES—Trade keeps good. We quote as follows: 6 to 12 inch, inclusive, at \$3.15 per 100 lb., and 14-inch and upwards at \$2.35; light T and strap, 70 and 10 per cent.; screen door hinges, \$6.50 per gross pair.

SPADES AND SHOVELS—Trade is quiet. Discount, 40 and 10 to 45 and 2½ per cent.

HARVEST TOOLS—Trade is about over for the season, only a few small orders now being received.

BUILDING PAPER—A few good orders have been received during the week, but, in general, trade is only fair. We quote as follows: Plain building, 27 to 28 c. per roll; tarred lining, 35 to 37 c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40 c. for plain and 45 c. for tarred.

WARE—A good trade is being done in both granite and tinware.

ONTARIO LEAD AND WIRE CO'Y, Limited

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Manufacturers of . . .

"Somerville's" Absolutely Pure
and Decorators' Extra

WHITE LEAD

also

"Ontario" Pure, Nos. 1, 2, 3 and 4.

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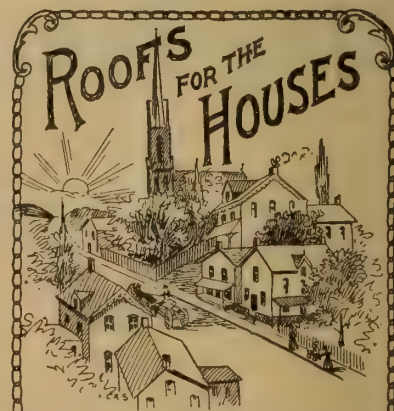
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we started the manufacture of sheet metal building materials, and this long experience enables us to offer intending builders all that is desirable in Steel Roofing, Steel Sidings, Steel Ceilings, etc.

We give You

the benefit of our long experience—any of our big catalogues—and up-to-date information on these goods on receipt of a post card.

The Pedlar Metal Roofing Co.
OSHAWA, ONT.

CEMENT—There is a scarcity noted in Portland, due to large sales. Prices are steady. We quote in barrel lots: Canadian Portland, \$2.70 to \$2.90; English do., \$2.85 to \$3; Belgian do., \$2.35 to \$2.50; Canadian hydraulic cements, \$1.10 to \$1.25; calcined plaster, \$1.90 to \$2.

METALS.

The movement in metals is rather lighter than it was a week ago, but there has been no material change either in business or prices.

PIG IRON—Business is quiet and prices are nominally unchanged. We quote as follows: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$11.80 per ton; No. 2 ditto, \$11.55; No. 1 Northern American soft, \$11.80; No. 2 ditto, \$11.55. Hamilton iron, No. 1, in 100-ton lots, is quoted at \$14, on track Toronto.

BAR IRON—Quite a number of orders were received during the week, but they were for small quantities. We quote base price \$1.45 to \$1.55 from stock, and \$1.35 to \$1.45 from factory.

HOOP AND BAND IRON—Trade is fairly good. We quote: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—Some good-sized orders have been received during the week, and, in general, trade is brisk. We quote as follows: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—A brisk trade is reported this week. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Advices last week noted a slight increase in the price of galvanized iron in the United States, but this week the market is rather easier. Local jobbers report that shipments have been heavy during the past week, in both American and British iron. We quote as follows: Queen's Head (case lots), 16 gauge, 3½c.; 18 to 24, \$3.87½c.; 26, 4¼c.; W. G. 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, 4¼c.; 26 gauge, 4c.; 22 to 24 gauge, 3¾c. per lb. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are ¼c. per lb. higher than figures named.

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for
30 Years



**NICHOLSON
FILE CO.**
Providence, R.I., U.S.A.
Largest Producers in the World.

BRITISH PLATE GLASS COMPANY, Limited.

Established 1773.

Manufacturers of **POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS.** Estimates and designs on application.

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& Son . .**

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Hardware and Provision
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and that is the highest that good material, attention to detail, and care in construction can produce.

\$55.00 \$70.00 \$80.00
30-inch Wheels, \$100.00

Agents everywhere. Write for Catalogue.

H. A. LOZIER & CO., Toronto Junction

INGOT COPPER—Trade has been only fair. We still quote 12¾ to 13c. per lb.

SHEATHING COPPER, ETC.—Outside of roofing copper, there is very little doing. We quote as follows: Sheathing copper, 15½ to 16½c., according to weight and quantity; braziers', 15½ to 17½c. per lb., according to gauge.

INGOT TIN—The market keeps firm and trade is fairly brisk. We quote: Straits, 17½c. per lb.; Lamb and Flag, 18c. per lb.

PIG LEAD—A few good sales have been made, but, in general, trade is quiet. We quote 4 to 4¼c. per lb.

IRON PIPE—Trade continues good. We quote as follows: Black pipe, per 100 feet, ¼ to ¾ inch, \$1.87 to \$2; ½ inch, \$2.15 to \$2.20; ¾ inch, \$2.62½; 1 inch, \$3.60; 1¼ inch, \$4.75; 1½ inch, \$6.20; 2 inch, \$8.30. Galvanized, ½ inch, \$3.50 to \$3.80; ¾ inch, \$4.20 to \$4.60; 1 inch, \$5.85 to \$6.20; 1¼ inch, \$8.05 to \$8.25; 1½ inch, \$11 to \$11.25.

RANGE BOILERS—Trade is picking up. We quote: Galvanized, 30 gals., \$5.25 to \$5.50; 35 gal., \$6.25 to \$6.50; 40 gal., \$7.25 to \$7.50; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES Quite a number of invoices governing import lots just delivered are going through. We quote: Half-polished, 52-sheet boxes, \$2.35; ditto, 60-sheet boxes, \$2.40; dull, 75-sheet boxes, \$2.50; ditto, "Alaska," \$3.

TIN PLATES—Trade has been only fair. We quote: Cokes, \$3 to \$3.10 for 14x20; do., squares, \$3.15 to \$3.25; \$6.25 for 20x28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

TINNED IRON—Business keeps good, but stocks are light. We quote: 5½c. in case lots for 22 to 24 gauge, and 2¾c. in lesser quantities; cut to size, 24 gauge, case lots, 4¾c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6¼c. for small lots.

COIL CHAIN—A steady trade is reported. We quote: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ⅝ in., \$2.80; ¾ in., \$2.75.

SHEET ZINC—Quite a number of orders for cask lots have been received during the week. Prices remain firm. Cask lots 5¾c. and small quantities 6c. per lb.

SOLDER—Is going out in the usual way. Strictly half-and-half, 12½c.; small lots, 13c.; standard, 11½c. per lb.

ANTIMONY—Has been moving more freely. We quote: Cookson's, cask lots, 10½c.; smaller quantities, 11c.; other makes, 8½ to 9c.

ZINC SPELTER—Has been in better demand during the week, at 5c. for ton lots, and 5¼c. for small quantities.

PAINTS AND OILS.

With the advent of the "dog days" the demand for paints and oils shows a slackening tendency, especially from country towns, where business is now reported to be extremely quiet. In Toronto, the town trade shows little, if any, abatement and the leading painters seem to have their attention pretty well occupied. The carriagemakers are pretty liberal buyers, and the makers of fine coach and carriage colors are being kept busy.

There is more or less structural work going on all over the Dominion and this has led to a brisk enquiry for red lead and graphite, and stocks of the first mentioned item are comparatively light.

Paris green has been selling by fits and starts, without change in price.

Varnishes are in moderate demand.

White lead is steady and firm in the Old Country markets, and no change in our listed quotations can be presently seen. There is a good movement noted this week. Turpentine is still high in the south, but as the demand here is light, no change in local prices is noted. The demand for linseed oil is active, and the feeling is firm, with prices unaltered. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

PARIS GREEN—Kegs, 16½c.; 50 and 100-lb. drums, 17c.; 1-lb. packages, 18c.; 1-lb. tins, 18½c.; cases, ½-lb. boxes, 19¼c.

LIQUID PAINTS—Pure, \$1 per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 50c.; boiled, 1 to 4 barrels, 53c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels,

43c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

OLD MATERIAL.

The demand is active throughout, with no change noted in prices. We quote as follows: Agricultural scrap, 45c. per cwt.; machinery cast, 52½c. per cwt.; stove cast scrap, 30c.; No. 1 wrought scrap, 40 to 50c. per 100 lbs.; No. 2, including sheet iron and hoop iron, 10c.; new light scrap copper, 7¼c. per lb.; bottoms, 7c.; heavy copper, 7½ to 8c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2c.; scrap rubber, 3½ to 3¾c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lbs.

GLASS.

There is a satisfactory movement noted, with prices steady. Late advices show the higher prices to be well maintained in Europe, with the probability that they will remain so, as they are longer than was anticipated. From present market reports, lower prices can hardly be looked for before next summer. We quote as follows: First break in 50-foot boxes, \$1.60, and in 100-foot boxes, \$3; double diamond, under 25 united inches, \$4.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

HIDES, SKINS AND WOOL.

HIDES—The market is dull. Prices are unchanged. We quote: No. 1, 9c.; No. 2, 8c.; No. 3, 7c.; cured, 9½ to 10c.

CALFSKINS—There is little movement to note. We quote nominally: No. 1 veal, 8 lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Nominal. Shearlings and lambskins are quoted at 40c.

WOOL—There is nothing doing, with prices unaltered. Unwashed is quoted at 10 to 11c. and fleece at 16c.

COAL.

Trade is quiet. Prices are unchanged, and are likely to continue so during July and August. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

PETROLEUM.

A good demand still continues. American water white oil has been reduced 1c. in price. This reduction is largely due to the severity of the competition of the Canadian oils, which have improved in quality within the present year. We quote at Toronto, as follows: Canadian, 13½c.; Sarnia water white, 15c.; American water white, 16½c.; Pratt's astral, 16c., in bulk.

MARKET NOTES.

Spelter is a little easier in New York.

Glass has again advanced in the Belgian market.

American water white petroleum has declined 1c. this week.

H. S. Howland, Sons & Co. are in receipt of large shipments of both English and German goods, and they are now busy placing them in stock.

"Tandem" Anti-Friction Metal

suitable for all purposes.

- A For heavy pressure and high speed.
- B For medium pressure and high speed.
- C For low pressure and highest speed.

If your dealer does not carry this line, order direct from

**Laplough &
McNaughton**
Montreal

WESTERN

Incorporated
1851.

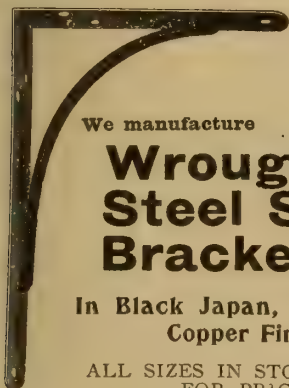
ASSURANCE COMPANY

Fire and Marine

Capital, subscribed	\$2,000,000.00
Capital - - -	1,000,000.00
Assets, over - -	2,320,000.00
Annual Income -	2,300,000.00

Head Office: **TORONTO, ONT.**

Hon. Geo. A. Cox, President. J. J. Kenny, Vice-President
C. C. Foster, Secretary.



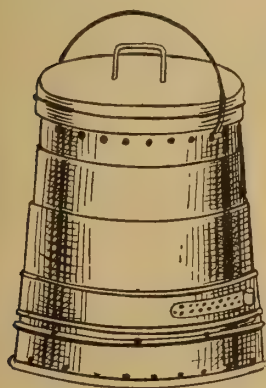
We manufacture

**Wrought
Steel Shelf
Brackets**

In Black Japan, Nickel and
Copper Finish.

ALL SIZES IN STOCK. SEND
FOR PRICES.

H. R. IVES & CO., Montreal.



Mosquitoes, Black Flies, etc., are kept away with SMOKE, from Wood, Bark, Twigs, etc., smouldering in The Patent Folding

"SMUDGE-STOVE"

Only weighs 14 oz. Folds up $4\frac{3}{4}$ x $3\frac{3}{4}$ inches. When well lighted, wood will smoulder or smoke in this stove for four hours. Everyone wants it. Keep them in stock. Price \$12.00 per doz. Ask your wholesaler for them.

HENRY IEVERS, Patentee, • QUEBEC

Our Axes and Edge Tools are
CANADA'S STANDARD. When placing
your orders always specify Warnock's
Tools.

James Warnock & Co.

GALT, ONT.

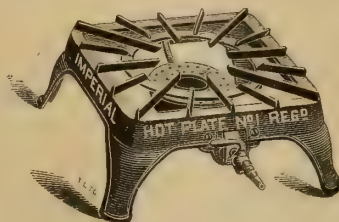
Henderson & Potts

NOVA SCOTIA PAINT AND VARNISH WORKS.

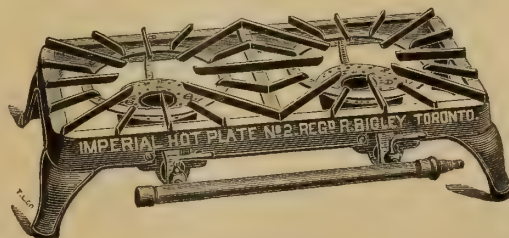
Sole Agents for the Dominion for



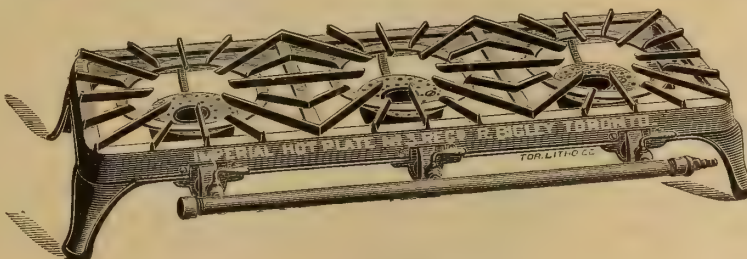
HALIFAX, N. S., and 747 CRAIG STREET, MONTREAL.



SIZE 10 x 10.



SIZE 10 x 20.



SIZE 10 x 30.

IMPERIAL**Gas Stoves.**

THESE Stoves are up-to-date in every respect. They are strong and durable, and fitted with convex burners. A sample will convince you of their many advantages.

Send for CATALOGUE.

Manufactured
by ...

**R. BIGLEY, 96 and 98
Queen St. East, TORONTO**

TRADE CHAT.

BRANTFORD'S scissors factory is now an assured fact. Mr. Bailey, the promoter and inventor of the patent scissors to be manufactured, has secured the \$20,000 stock necessary, and work will probably be commenced in about five weeks, with 50 hands employed.

Picton business men will close their shops every Thursday afternoon during the hot season.

The Port Hope merchants have decided to close down on Wednesday afternoons till the end of August.

McKinnon & Co., general merchants, Blyth, Ont., intend enlarging their store so they will have one-third more space than at present.

Wm. Snowball, a wagonmaker, of St. George, Ont., is endeavoring to start a joint stock company in Ottawa, Ont., to manufacture wagons.

A company has been formed, capitalized at \$150,000, to manufacture fish oil and guano from the waste of the canning factories on the Fraser river, B.C.

Prospectors report a valuable discovery of rich copper on the Ontario shore of Lake Superior similar to that on the Michigan shore, which has yielded millions in dividends.

John Bertram & Sons, manufacturers of tools, etc., Dundas, Ont., have recently made a steam hammer for the Montreal Rolling Mills which weighed 68 tons. It is 22 feet high, and can be regulated to deliver a blow of 1 lb. or 30,000 lb. It is the largest steam hammer yet made in Canada.

It is reported that the pressure of the two gas wells which supply Leamington, Ont., with light and heat is diminishing rapidly, one of the wells being almost played out. There is a possibility that the factories and mills in Leamington will not be able to secure the gas they need next winter.

It is likely Orillia, Ont., will instal a plant for generating electric power from Ragged Rapids, on the Severn river. The yearly revenue is estimated at \$12,823.66. The total cost of installation will be less than \$70,000, and a sinking fund of 6½ per cent., or \$4,550 yearly, will pay interest and principal in 30 years. After paying sinking fund, working expenses, etc., there will be a surplus of over \$2,500 yearly.

MR. CARSCALLEN, OF DRESDEN.

Mr. James Carscallen, of Messrs. Carscallen Bros., Dresden, spent several days in Toronto recently, attending the Masonic Grand Lodge. The Carscallens moved from Napanee many years ago and have built up a first-class hardware business in Dresden, where they are well known and

highly respected for miles around. Mr. Carscallen called upon several of the wholesale houses with which his firm do business, and met with a hearty reception.

THE OLDEST STEAM ENGINE.

THE oldest engine in the world is in the possession of the Birmingham Canal Navigations in England, and was constructed by Bolton & Watt in the year 1777, the order being entered in the firm's books in that year as a single acting beam engine, with chains at each end of a wood beam, and having the steam cylinder 32 inches in diameter, with a stroke of 8 feet, and erected at the canal company's pumping station at Rolfe street, Smethwick. During the present year this remarkable old engine, which has been regularly at work from the time of its erection to the current year, a period of, say, 120 years, was removed to the canal company's station at Ocker Hill, Tipton, there to be reerected and preserved as a relic of what can be done by good management when dealing with machinery of undoubted quality. It is worthy of note that the Birmingham Canal Navigations favored Bolton & Watt, in 1777, with the order for this engine, and, in 1898, or 120 years afterward, the company have entrusted the same firm, James Watt & Co., Soho, Smethwick, with the manufacture of two of their modern triple-expansion, vertical engines, to be erected at the Walsall pumping station, having 240 horsepower and a pumping capacity of 12,713,600 gallons per day.

HEEDLESS HARDWAREMEN.

The use of enamelled letters on shop windows has grown considerably during the past few years, and, when they are securely fixed up, the attraction of a shop front is much increased by the presence of a limited number of such letters. But many ironmongers, having once had the work done, leave it to take care of itself, the result too often being that letters or punctuation marks drop off, giving sometimes a grotesque, and always a slovenly, appearance to the window. I could instance cases where gaps of this kind have been allowed to exist for years. Inattention to such matters is apt to create an unfavorable impression in the minds of passers-by, which tells in the long run against the parties responsible for it.—“Vulcan” in Ironmonger.

The British Columbia Iron Works, Vancouver, B.C., have been closed down, and their 150 employes are thrown out of work. The cause is financial difficulty, and the result of losses on some recent large contracts. It is understood the company, backed by British capital, will be reorganized.

CANADIAN ADVERTISING is best done by THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.

Doyle's Patent Fire-proof Paint**FIRE BRICK, FIRE CLAY**

DIPLOMAS 1892, WHEREVER EXHIBITED.

Toronto Industrial; Western Fair, London, Ont.; Great Northern, Collingwood, Diploma and Aluminium Medal and Life Membership to Inventor, by the Association of American Inventors, Philadelphia, Diploma and Gold Medal, Paris (France) and Life Honorary Membership to Inventor, by the Academy of Inventors, Manufacturers and Exhibitors.

Ask your hardwareman for it, if not in stock.

For particulars address—

The R. J. Doyle Manufacturing Co.
Limited

Lock Drawer 464, OWEN SOUND.

ISLAND CITY Paint and Varnish Works

. . . Manufacturers of . . .

**READY MIXED PAINTS and
FINE COACH VARNISHES.**

WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.
WORKS 274 St. Patrick St., MONTREAL.

Greatest Bicycle Bargains

ever known

WARWICKS

We are determined to carry over no wheels to 1899, and are making special prices to the trade.

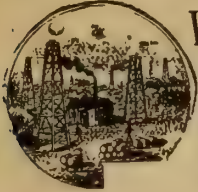
See the Warwick Pneumatic Cushion Frame.

Second hand wheels at low prices.

WARWICK CYCLE CO.

40
Beaver Hall Hill

MONTREAL



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for...

Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.

The Ontario Mercantile Agency

(Limited)

18 Wellington Street East, TORONTO.

Collects accounts anywhere. Fees for current accounts 10 per cent. of amount collected. No fee less than \$1. Prompt returns. Report to you monthly. References given. Try us.

The Portland Rolling Mills Co., Limited

Manufacturers of

Refined Bar Iron

Railway Spikes

Pressed Spikes

Nails and Tacks

"Diamond" Brand Horse Shoes

ST. JOHN, N.B.

PARIS ELECTRO PLATING CO.

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings, Piano Stool Feet, Novelties, etc. Bicycle Work a specialty. Special attention given to Job Work of all kinds in Brass and Nickel Plating.

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.

PATENTS
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Write today for a free copy of our interesting books "Inventors Help" and "How you are swindled." We have extensive experience in the intricate patent laws of 50 foreign countries. Send sketch, model or photo for free advice. **MARION & MARION, Experts,** New York Life Building, Montreal, and Atlantic Building, Washington, D. C.



"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

HARDWARE DEALERS' MAGAZINE

Largest Circulation in its field in the World

One Dollar
a Year.

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Specimen
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It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

FULL LINE OF

WAREHOUSE (Portable or Dormant)

HOPPER SCALES

DAIRY SCALES, COUNTER SCALES

WAGON SCALES

TRACK SCALES

THE GURNEY SCALE CO., - Hamilton, Ont.

WALTER GROSE, 30 St. Dizier St., Montreal, Que.

Agent for Montreal and Eastern Provinces.

Jewel Gas Ranges

Improved Slotted Burners with Removable Thimble Cap.



Well known as the most perfectly fitted, most efficient, and successful and most economical.

MADE IN

10
STYLES.

Roasting and Baking Ovens—with or without Extension for heating

Hot Water Boiler.

Manufactured by

The Burrow, Stewart & Milne Co., (Limited) Hamilton, Ont.

HEATING AND PLUMBING

PLUMBING AND HEATING CONTRACTS.

BLOUIN, DESFORGES & LATOUR-elle, of Montreal, have the following plumbing and heating contracts on hand: Banque Jacques Cartier, St. Catharine and Centre street branches and numerous other contracts.

Gordon & Egan have the contract for heating the residence of D. A. Budge, Milton street, Montreal.

Lesperance & Terriault, of Montreal, are working yet on the large contract they have on hand of heating Longue Pointe asylum.

E. C. Mount & Co., Montreal, have contracts for plumbing, heating and roofing four houses on Springfield avenue, for Brown & Reid.

J. R. Seager, Toronto, has the contracts for hot water heating of Boisseau & Co.'s new building at the corner of Yonge and Temperance streets, Toronto, and for the plumbing and hot water heating of a residence for Mr. Hall, on Avenue Road.

Carroll Bros., Montreal, have the following plumbing and heating contracts on hand: D. Hay's building, corner Craig and Busby lane; Mr. Ducat's residence, corner Mansfield and Dorchester street; Mr. Webster's residence, Westmount.

J. Forman, Montreal, has contract for furnishing all the electrical material, wire, etc., for Longue Pointe asylum, amounting to \$15,000; the contract for furnishing Imperial incandescent lamps and Upton arc lamps for C. P. R. hotel, east end; also the contract for supplying J. Murphy's store with a complete installation of arc lamps.

Guest & Co., Toronto, have contracts for plumbing and gasfitting in a residence for J. E. Ziemann, in East Toronto; for plumbing and gasfitting for a residence for J. H. Smith, Kew Beach, Toronto; and the plumbing of a residence for W. H. Hazlitt, Lorne Park, and for an organ engine in St. Andrew's church, corner of King and Simcoe streets, Toronto.

Keith & Fitzsimmons, Toronto, have contracts for the plumbing in the addition to Firstbrook Bros.' factory on King street; for the plumbing of a residence on Isabella street, for F. S. Baker; for special electric fixtures for the new Boisseau store on Yonge and Temperance streets, and for the electric wiring and fixtures in the Carlton street Methodist church, Toronto.

McKinley & Northwood, of Ottawa, have the following list of contracts now on hand:

The heating, plumbing and gasfitting in Mr. Felix McCullough's house, Chapel street; Wm. Lindsley's, Somerset street; Mr. G. F. Henderson's, Somerset street; Mr. M. Donaldson's, Albert street; Mr. E. L. Horwood's, Metcalf street; Mr. J. B. Fraser's, Cooper street; three houses, Mr. John Bruce, Bay street; heating two houses for Mr. D. J. Brown, Cumberland street; steam heating, plumbing, galvanized iron work and metal cielings in public schools, First avenue and Cambridge street; also plumbing work in Ottawa Rowing Club house.

EMPLOYERS' RULES CONDEMNED.

THE Plumbers' Union at its meeting last night condemned a set of rules for workmen prepared by Messrs. Butterworth & Co., and ordered the plumbers in the employ of the firm not to sign the rules.

The rules referred to are contained in time-books used by the employes of Butterworth & Co. Six or seven of the rules relate to the disposal of material, and these are not objected to. But the two last rules state that the men will be held responsible and charged for windows broken by them in houses where they work; and that if after a man has finished a job and has taken away his material, that if the work has not been properly done and another man has to be sent to fix it properly, then the man who had the job first, will be charged for the time of the second. All employes on outside jobs are required to sign these rules.

The union ordered the plumbers not to sign the rules, then passed a motion condemning the rules, and instructed the secretary to write Butterworth & Co. of the union's decision.

Mr. Butterworth stated to a Journal reporter that the rules were arranged so as to bring careless workmen to time, but he

had no claim against any of the workmen. The rules are a precaution. — Journal, Ottawa, July 26.

A HEALTHY CITY.

On behalf of PLUMBING AND HEATING our representative called on the secretary of the Health Department in Montreal. During the interview that ensued, pertaining to plumbing and sanitary matters, it was found that the city never was in better condition than at present. The mortality is over one-third less than last year, and during the hot spell on just now only one case of diphtheria has so far been reported in the line of contagious diseases.

A decided improvement is being accomplished in St. Gabriel's ward. Men are engaged in cleaning the small stream, called the St. Pierre, that has been the dumping ground for refuse of all kinds for some years back. In this connection it is deemed advisable for the city to not allow the western abbatoirs (which were burned out lately) to rebuild near this stream.

\$50,000 IN BUILDING PERMITS IN TORONTO.

Building permits have been issued in Toronto to C. P. Brown for two-storey alterations to 64 Gloucester street, to cost \$3,500; to the estate of Arch & Palmes, for new shop front and repairs to 95 King street west, to cost \$1,000; to the Public School Board, for alterations and additions to the Brock avenue public school, to cost \$5,500; to the Dewson street school, to cost \$7,800; to the Clinton street school, to cost \$6,600; to the Gladstone avenue school, to cost \$8,500, and to the Givens street school, to cost \$6,800; to P. Dowley, for a two-storey brick dwelling on Wilson avenue, near King, to cost \$700; to John F. Urquhart, for a two-storey and attic brick residence at 1502 King street west, to cost \$5,000.

ARMSTRONG MAN'F'G. CO.

AWARDED TO
First Prize
at the
COTTON EXHIBITION
AT ATLANTA GA 1884

WATER GAS
AND
STEAM FITTERS
TOOLS

CATALOGUES ON APPLICATION.

BRIDGEPORT. CONN.

The Stevens Mfg. Co., London, Ont.

—CARRY A FULL LINE OF—

IRON PIPE and Fittings, **LEAD PIPE,** **LEAD TRAPS**

and Plumbers' and Steamfitters' **BRASS GOODS.**

—BY USING—

SYRACUSE BABBITT METAL

You will have no trouble with your machinery.

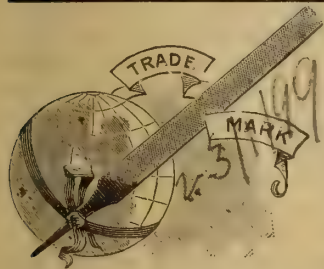
IT WILL NOT CUT NOR HEAT.

It is positively the best metal manufactured in Canada or the United States.

Syracuse Smelting Works

SYRACUSE, N. Y.

MONTREAL



**STANDARD
GOODS.**

Globe
Brand
Files
and
Rasps.

Manufactured from high grade Crucible Tool Steel.
Crescent Brand Files and Rasps.

Manufactured from first quality Crucible File Steel.
Sharp Teeth. Thorough Temper. For sale by all prominent hardware merchants throughout the Dominion.

MANUFACTURED BY

THE GLOBE FILE MFG. CO., PORT HOPE, ONT.

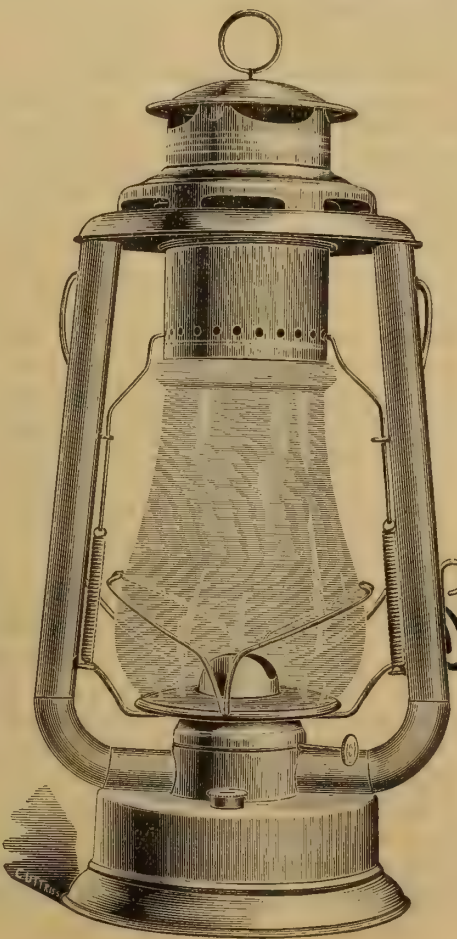
WALTER GROSE, Selling Agent,
MONTREAL, P.Q.



"BUILD TO-DAY THEN,
STRONG AND SURE.
WITH A FIRM AND
AMPLE BASE."
—Longfellow.

DO YOU?

WISH THUS TO BUILD
an advertisement
in the
**CONTRACT-
RECORD.**
TORONTO
will bring you
tenders from the
best contractors



We are Now Ready to Supply

Royal Cold Blast Tubular Lanterns

with Safety Extinguishing Burners

which makes the "Royal" the most perfect and valuable Cold Blast Lantern ever offered.

**Self-Extinguishing. No Smoke.
No Smell. Strong Light. Windproof.**

To put out the light, turn down the wick as far as it will go and it is extinguished at once. It is impossible to turn the wick down into the oil pot. No crusting of the tube, and leaves the wick ready for relighting, therefore it is not necessary to trim the wick with scissors or any process.

ABSOLUTELY SAFE. It is impossible for the lantern to explode, and is therefore strongly recommended by all insurance companies.

We also make Banner Lamp Burners with this Safety Extinguisher.

For sale by all prominent Hardware and Lamp Goods Houses throughout the Dominion.

Manufactured by

THE ONTARIO LANTERN CO.
HAMILTON, ONT.

WALTER GROSE - MONTREAL
Sole Selling Agent.

COPPER-LINED TANK PITS.

FROM W. & H. Whitehall, N.Y.—What is the action of water upon copper? We have just examined a tank lined with 20 ounce copper about 23 years ago which is used to supply the house plumbing system. It is filled with water caught on a slate roof, the water, of course, being soft or rain water. We found the bottom of the tank pitted, and, on contact with a knife or punch, a hole is the result. The same party has had considerable trouble with his galvanized iron kitchen boiler and was obliged to discard it, and is now using a copper boiler. Our customer is uncertain what is best to do, whether to have the bottom lined with copper or to put in a galvanized steel tank, the expense being about the same in either case. If this tank had been used for storing hard water, or the village water, which is medium in hardness, would not the action have been the same on copper?

Note.—The action of water on copper depends on the matter with which it is impregnated, but seemingly pure water often has the effect of producing the pits described. The problem of accounting for these pits is not a new one and has not as yet been satisfactorily solved. In *The Metal Worker* of November 27 and December 11, 1897, the matter is discussed, and, as a preventive, a coat of melted beeswax and resin in equal parts, applied hot with a paint brush, is recommended by a contributor who has tested its efficiency. Paraffine and beeswax are also recommended for the same purpose. In consideration of these recommendations it would seem advisable to repair the tank and apply the coating while the tank is perfectly dry. Galvanized range boilers are made from various grades of material, but if the price for strictly first-class material is paid boilers that will render satisfactory service can be had. The pin holing of range boilers is not uncommon in sections where cheap boilers have been used.—*The Metal Worker*.

VIEWS ON DOMESTIC HOT WATER APPARATUS.

In a lecture before the Health Association of Manchester, England, W. J. Maguire, a registered plumber, gave an account of some of the troubles peculiar to domestic hot water apparatus, from which the following extracts are taken:

If the water back is making a fuss, he will be suffering either from wind in his stomach, or from a stoppage in his circulating tubes or his inside, tending to choke him to bursting. If the noise be a soft and regular one—thump, thump, thump—heard all over the house where the pipes run, you may safely diagnose air lodgment as the complaint. If the noise be a succession of

sharp, loud, irregular raps, as of iron struck with a hardwood mallet, you will probably be correct in deciding that a deposit is choking the flow or return pipe, or both, and you will apply prompt remedies to prevent fatal rupture. Every high pressure water back should be so made and fixed that no bubble of air can find any abiding place in the interior, or, in other words, so that the water back shall be always absolutely full of water in actual contact with the whole internal surface.

MALLEABLE IRON WATER BACKS.

Owing to the high pressure of water carried in some towns a water back which will stand continuously a greater pressure than the ordinary cast iron water back is coming into demand, says *Iron Age*. Where towns are located so that part is in a hollow and another part on a considerable elevation, in order that the water supply may flow equally well in all parts of the town, it is necessary to carry a high pressure in the service mains. In towns along the Hudson river it is not uncommon to find a pressure of over 80 pounds to the square inch, and in some western and southern cities in the mountainous sections a pressure as high as 150 pounds to the square inch is carried.

The shape and construction of some water backs do not qualify them to stand heavy pressures and the shocks due to the water hammer, caused by the quick closing of some faucet or fixture, so it is not uncommon to substitute a coil of wrought iron pipe for the usual water back. While in some shapes the manufacture of a pipe coil water heater is comparatively simple, in many instances this substitute is difficult to procure, and has led to the use of malleable iron water back construction. Water backs made from this material have a considerably greater strength, and are advertised by some manufacturers to withstand a pressure of 400 pounds to the square inch. Where water backs of this material are required it is only necessary for the patterns and core boxes for the water backs to be sent to some foundry making malleable iron castings, and water backs from this metal can be secured.

THE PLUMBERS' PICNIC.

The Montreal plumbers' picnic is the main topic of conversation among the various branches of the business at present. The programme published in last week's issue will be further enlarged on, and meetings of the various committees will be held this week to make final arrangements. All the principal business concerns in the city, in touch with the plumbing trade, will be closed on that day. A very enjoyable time is anticipated.

A FIRM OF HALIFAX PLUMBERS.

ONE of the recent marked improvements in Barrington street is the enlargement of the establishment of Crump & Perrier, plumbers, hot water heating and sanitary engineers, Halifax. The firm is an old one, started long ago by David King. In due time the present members of the firm were taken into partnership with Mr. King, under the name of D. King & Co. On Mr. King's retirement, through ill health, about 12 years ago, Messrs. Crump & Perrier assumed sole control of the business, and have since made it increasingly successful and prosperous. At the beginning of this year the firm name was changed to Crump & Perrier.

They have now opened the shop immediately adjoining to the south, and what at first glance looks like two establishments is one. The north showroom (the original stand) is devoted exclusively to the display of heating apparatus, to the installing of which, in any description of building, Crump and Perrier are giving particular attention.

The southern showroom contains a fine display of bathroom fittings, from the most luxurious to what is exactly suited to less pretentious residences. Enameled bath tubs, fitted with seats, washbasins and washstands in all styles of marble, nickel and wood are shown. Many of the bathroom furnishings exhibited are in working order.

Back of the showroom is the business office, and at the rear of that again are the firm's commodious workshops.

Crump and Perrier are to be congratulated on this enterprising doubling of their facilities to push their business.

MONTREAL BUILDING PERMITS.

Since January, 1898, 62 building permits have been issued from the city hall, Montreal, amounting to \$475,900. The number issued in the various months since January are as follows: January, 1; February, 1; March, 15; April, 15; May, 13; June, 11; and July (to date), 8.

Since July 1 the following permits for residences have been granted: A. Dallec, \$3,300, on Berri street; Jas. Charlebois, \$1,500, on Sanguinet street; Mde. C. Carbonneau, \$1,800, on Fullum street; J. Benoit, \$4,000, on Soulanges street; estate of L. Lalonde, \$12,000, on Dufresne street; Mad. J. A. Berthetel, \$3,500, on Berri street.

PLUMBING AND HEATING NOTES.

Alfred Jeffs, plumber, Nelson, B.C., has satisfied a chattel mortgage of \$155.

Charles Taylor, plumber, Brantford, Ont., has assigned to Edward C. Jones.

Oct. and A. A. Plante have registered partnership as plumbers under the style of Oct. Plante & Fils, Quebec.

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

MONTREAL, QUE.



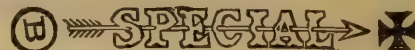
WADE & BUTCHER,
SHEFFIELD, ENGLAND.



OR



OR



FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY and FANCY GOODS

JAMES HUTTON & CO., Agents, - - - Montreal

CURRENT MARKET QUOTATIONS.

July 29, 1896

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—		
56 and 28 lb. ingots, per lb.	0 00	0 18
Straits	0 00	0 17½

Tin Plates.

Charcoal Plates—Bright.		
M.L.S., equal to Bradley.	Per box.	
I.C., usual sizes	\$5 00	
I.X., "	6 25	
I.X.X., "	7 50	
J. R. & Co.—		
I.C.	4 75	5 00
I.X.	6 00	6 25
I.X.X.	7 25	7 50

Famous—		
I.C.	5 00	
I.X.	6 25	
I.X.X.	7 50	
Raven & Vulture Grades—		
I.C., usual sizes	3 50	
I.X., "	4 25	
I.X.X., "	5 00	
I.X.X., "	5 75	
D.C., 12½x17	3 00	
D.X., "	3 75	
D.X.X., "	5 75	

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Bessemer Steel—		
I.C., usual sizes	3 00	
I.C., special sizes, base ..	3 15	
20x28	6 00	6 25

Charcoal Plates—Terns.

Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	6 00	
I.X., Terns Tin	7 50	
I.C., Orion	6 00	
I.X., Orion	7 25	7 50

Charcoal Tin Boiler Plates.

Cookley Grade—		
X.X., 14x56, 50 sheet bxs ..	0 05½	0 06
" 14x60, "	0 06½	
" 14x65, "	0 07	0 07½

Tinned Sheets.

72x30 up to 24 gauge	0 05½	0 06
" 26 "	0 06½	0 06½
" 28 "	0 07	0 07½

Iron and Steel.

Common Bar, per 100 lbs ..	1 50	1 60
" from factory	1 40	1 45
Refined "	1 80	
Horse Shoe "	1 85	2 00
Band "	4 00	4 25
Swedish "	2 50	
Sleigh Shoe Steel "	2 50	
Tire Steel	2 50	
Machinery	2 50	2 75
Cast Steel, per lb	0 10	0 14
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 06½	
2 "	0 07½	
2½ "	0 09½	
"	0 11	

Steel Boiler Plate.

16 inch	2 00	
"	1 90	

¾ inch and thicker..... 1 75

Sheet Iron.

16 gauge and heavier	2 50	2 70
18 to 20 gauge	2 25	2 50
22 to 24 "	2 25	2 35
26 "	2 35	2 45
28 "	2 45	2 55

Canada Plates.

All dull, 52 sheets	2 25	
Half polished	2 35	
All bright	3 00	

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ¾ inch.		
\$1.87 to 2.09: ½ inch, \$2.15 to \$2.20: ¾ inch,		
\$2.62½: 1 inch \$3.60: 1½ inch, \$4.75: 1½ inch,		
\$6.20: 2 inch, \$8.30.		
Galvanized, ½ inch, \$3.50 to \$3.80: ¾ inch,		
\$4.20 to \$4.60: 1 inch, \$5.85 to \$6.20: 1½ inch,		
\$8.05 to \$8.25: 1½ inch, \$11.00 to \$11.25.		
Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p. c.		

Galvanized Iron.

	Comet.	Gordon	Queen's
		Crown.	Head.
16 gauge	3 25	0 03½	4 00
18 to 24 gauge	3 50	0 04	4 20
26 "	3 75	0 04½	4 45

Chain.

Proof Coil, 3-16 in., per 100 lbs	4 65	
" ¼ "	3 75	
" 5-16 "	3 25	
" ¾ "	3 15	
" 7-16 "	3 10	
" 1 "	2 80	
" 1½ "	2 75	
" 2 "	5 90	
Trace, per doz. pairs	3 60	
German coil, per 100 ft.	1 65	2 70

Jack chain, iron, single, per doz. yards,	0 13	0 50
Jack chain, double, per doz. yards	0 15	
Jack chain, brass, single, per doz. yards	20	10

Copper.

Ingot	0 12½	0 13
English B. S., ton lots	0 12½	0 13
Lake Superior	0 20	0 22
Cut lengths, round, ½ to ¾ in. round and square	0 19½	0 20
1 to 2 inches	0 19½	0 20

NOTE.—Complete, lengths about 15 feet from 18½ to 19 cents a pound.

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 15	0 16
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 15	0 16½
NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.		
Planished and tinned, 14x48 and 14x60	0 25	0 27
" Braziers. (In sheets.)	0 17	0 19
4x6 ft. 25 to 30 lbs. ea., per lb.	0 15½	0 16½
" 35 to 45 "	0 15	0 16
" 50-lb. and above, "	0 15	0 16
Boiler and T. K. Pitts.	0 21	
Plain Tinned, per lb	0 21	
Spun, per lb.	0 25	

Wire.

Pure, in coils—		
From 1 to 20 gauge, 12½ p. c. off list.		
From 20 gauge up, 12½ p. c. off list		

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 30 p. c. off list.		
Sheets, hard-rolled, 2x4	18	0 20
Tubing, base, per lb.	0 20	0 22

Foreign, per lb. 0 05 0 05½

Domestic "

5 cwt. casks

Part casks

Lead.

Imported Pig, per lb. 4 to 4½

Domestic, per lb. 0 03½

Bar, 1 lb. 0 05

Sheets, 2½ lbs. sq. ft., by roll. 0 05½ 0 06

Sheets, 3 to 6 lbs., per sq. ft., by roll. 0 05 0 05½

NOTE.—Cut sheets ½ cent per lb. extra.

Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 27½ per cent. discount.

NOTE.—Cut lengths, net price, waste pipe. in 8-ft. lengths, lists at 7½ cents.

Solder.

Bar half-and-half

Standard

Wire

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb. 0 10½ 0 11

Other makes, per lb. 0 08 0 08½

White Lead.

Pure, Assoc. guarantee, ground in oil, 25 lb. irons

No. 1 do

No. 2 do

No. 3 do

No. 4 do

Munro's Select Flake White

Elephant and Decorators' Pure

Brandram's B. B. Genuine

" No. 1

James genuine

" No. 1

White Zinc Paint.

Elephant Snow White

Pure White Zinc

No. 1

No. 2

Dry White Lead.

Pure, casks

Pure, kegs

No. 1, casks

No. 1, kegs

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)

Pure, per gallon

Second qualities, per gallon

Barn (in bbls.)

The Sherwin-Williams Paints

Canada Paint Co's Pure

Colors in Oil.

(25 lb. tins, Standard Quality.)

Venetian Red, per lb. 0 07

Chrome Yellow

Golden Ochre

French "

Marine Black

" Green

Chrome "

French Imperial Green

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt

Yellow Ochre (J.F.L.S.), bbls. per cwt

Yellow Ochre (Royal), per cwt

Brussels Ochre

Venetian Red (best), per cwt

English Oxides, per cwt

American Oxides, per cwt

Canadian Oxides, per cwt. 1 75 1 90

Burnt Sienna, pure, per lb. 0 10

" Umber, "

do. aw

Drop Black, pure

Chrome Yellows, pure

Chrome Greens, pure, per lb. 0 12

Golden Ochre

Ultra marine Blue in 28-lb. boxes, per lb. 0 08 0 24

Fire Proof Mineral, per 100 lb. 1 00

Genuine Eng. Litharge, per lb. 0 07

Mortar Color, per 100 lb. 1 25

James' Gen. Red Lead, 100 lb. 0 04½

Pure Indian Red, No. 45, lb. 0 08

Whiting, per 100 lb. 0 50

Paris Green.

Pure, in bbls. 0 16½

250 lb. casks

50 lb. drums

1 lb. packages

½ lb. "

¼ lb. "

1-lb. tins

Sulphate of Copper.

Casks, for spraying, per lb. 0 04½

100-lb. cases, do. per lb.

Putty.

Bladders in bbls. 1 80

Bladders in 100 or 200 lb. kegs or bxs

Bulk in bbls., per 100

Bulk in less quantities

25-lb. tins, 4 in case

12½-lb. tins, 8 in case

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph.

Varnishes.

(In bbls.)

Carriage, No. 1

Extra do.

Body Varnish

Furniture Varnish

Extra do.

Demar Varnish

Hard Oil Finish

Orange Shellac Varnish

White Shellac

Rubbing Varnish

Polishing Varnish

Linseed Oil.

Raw, per gal. net

Boiled, per gal. net

Outside points lc. more than above figures

Turpentine.

1 to 4 barrels, net

Outside points lc. more

Castor Oil.

In cases, per lb.

Small lot:

Cod Oil, Etc.

Cod Oil, per gal.

Pure Olive

" Neatsfoot

Glue.

(In bbls.)


Common

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.		
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.		
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.		
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.		
Canadian, common, 7½ per cent.		
Brass Shot Shells, 55 and 10 per cent. imers, Dom., 30 per cent.		
Wads.—Baldwin		
Best thick white felt wadding, in ½-lb bags.	1 00	
Best thick brown or grey felt wads, in ½ lb. bags.	0 70	
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 93	
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35	
Best thick white card wads, in boxes of 500 each, 8 gauge.	0 55	
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges.	0 20	
Thin card wads, in boxes of 1,000 each, 10 gauge.	0 25	
Thin card wads in boxes of 1,000 each 8 gauge		
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M.	
11 and smaller gauge	0 60	
9 and 10 gauges	0 70	
7 and 8 gauges	0 90	
5 and 6 gauges	1 10	
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—		
11 and smaller gauge	1 15	
9 and 10 gauges	1 40	
7 and 8 gauges	1 65	
5 and 6 gauges	1 90	
Anvils.		
Per lb.	0 10	0 12½
Anvil and Vice combined, each.	4 50	
Wilkinson & Co.'s Anvils, lb.	09	09½
Wilkinson & Co.'s Anvils, lb.	09½	0 10
Augers.		
Gilmour's, discount 65 p.c. off revised list.		
Hollow Stearn's, per dozen	13 00	20 00
Adjustable Stearn's, each.	4 50	6 50
Post-hole, Vaughan's, each	60	90
Excelsior, Jennings', discount 50 per cent.		
Awls.		
Sewing, per gross	0 65	1 59
Pegging, " "	0 65	1 25
Brad, " "	0 85	1 60
" handled, per gross	3 60	30
Saddier's, per gross	0 45	1 60
Awl Hafts.		
Patent Peg, per gross.	7 25	8 00
" Sewing, per gross.		
Awl and Tool Sets.		
Millar's Falls, per doz.	2 80	3 30
AXES.		
Splitting Axes.	5 25	5 50
Chopping Axes—		
Single List, per doz.	6 00	12 00
Double List, " "	11 00	18 00
Bench Axes, 40 and 10 p.c.		
Axle Grease.		
Per gross	6 00	13 00
Bath Tubs.		
Zinc, discount.	3 90	4 00
Copper, discount, 40 and 10 p.c. off revised list.		
Steel clad, 20 per cent. discount off revised list		
Boxing extra		
Bells.		
Hand.		
Brass, 60 per cent.		
Nickel, 55 per cent.		
Door.		
Gongs Sargent's	5 50	8 00
Peterboro', discount 50 per cent.		
Cow.		
American make, discount 66½ per cent.		
Canadian, discount 45 and 50 per cent.		
Farm.		
American, each	1 25	3 00
House.		
American, per	0 35	0 40
Bellows.		
Hand, per doz.	3 35	4 75
Moulders, per doz.	7 50	10 00
Blacksmiths', discount 60 per cent.		
Belting.		
Extra, 45 per cent.		
Standard, 45 and 10 per cent.		
Agricultural, 65 and 5 p.c.		
Bench Stops.		
Per doz	5 00	6 00
Bits.		
Auger.		
Gilmour's, discount 65 and 5 per cent.		
Excelsior, discount 60 per cent.		
Rockford Common, 70 to 70 and 10 per cent.		
" Perfection, 50 and 10 per cent.		
Jennings' Gen., net list to 5 p.c. discount.		
Car.		
Gilmour's, 47½ to 50 per cent.		
Expansive.		
Clark's 40 per cent.		
Excelsior, 10 per cent.		
Gimlet.		
Clark's, per doz	0 65	0 90
Diamond, Shell, per doz.	1 00	1 50
Nail and Spike per gross	2 25	5 20

Blind Rollers.		
Annex, per doz	1 25	1 75
Mascott, " "	1 35	1 85
Erminie, " "	1 00	0 00
Blind and Bed Staples.		
All sizes, per lb	7½	0 12
Bolts.		
Carriage, dis., 60 and 10 to 70 p.c.		
Tire, dis., 70 and 5 per cent.		
Stove dis., 70 per cent.		
Elevator, dis., 35 to 40 per cent		
Machine, dis., 70 p.c.		
Coach Screws, dis. 70 and 10 p.c.		
Plough bolts, 60 p.c.		
Boring Machines.		
Complete, with augers, each.	5 00	7 50
Braces.		
Barber's	6 00	7 75
Barber's Ratchet	10 00	11 00
Farmers	2 00	2 75
Millar's Falls	15 50	29 00
Brackets.		
Shelf.		
Japanned Canadian, per doz.		
pairs	0 50	3 40
Berlin Bronze Canadian	0 85	3 20
Broilers.		
Light, dis. 65 to 67½ per cent.		
Reversible, dis., 65 to 67½ per cent.		
Vegetable, per doz., dis. 37½ per cent.		
Henis, No. 8, " "	6 00	
Henis, No. 9, " "	7 00	
Queen City " "	7 50	0 00
Butchers' Cleavers.		
German, per doz.	6 00	11 00
American, per doz.	12 00	20 00
Butts.		
Brass.		
Wrought Brass, dis., 17½ p.c. revised list.		
Cast Iron.		
Loose Pin, dis. 70 per cent.		
Wrought Steel.		
Fast Joint, dis. 70, 10 and 5 to 75 p.c.		
Loose Pins, dis. 70, 10 and 5 to 75 p.c.		
Berlin Bronzed, dis. 70, 70 and 5 per cent.		
Gen. Bronzed, per pair	0 40	0 65
Can Openers.		
Acme, per gross.	9 00	10 00
Sardine Scissors, per doz	3 75	4 50
Card.		
Horse, per doz.	0 60	1 00
Carpet Stretchers.		
American, per doz	1 00	1 50
Bullards, per doz	6 50	
Carpet Sweepers.		
Bissell, per doz	22 50	
World, " "	21 75	
Dairy, " "	24 00	
Star " "	18 00	
Crown Jewel, per doz.	29 00	
Grand Rapids, " "	24 00	33 00
Cartridges.		
(See Ammunition.)		
Castors.		
Bed new list, dis. 55 to 57½ per cent.		
Plate, dis. 52½ to 57½ per cent.		
Cattle Leaders.		
Nos 31 and 32, per gross.	8 50	9 50
Cement.		
Canadian, Portland.	2 50	
English " "	2 85	
Belgium " "	2 75	
Canadian hydraulic	1 20	
Figures are for barrel lots.		
Chalk.		
Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red " "	0 05	0 06
Crayon, per gross	0 14	0 18
Chisels.		
Socket, Framing and Firmer.		
American, dis. 75 per cent.		
Canadian, dis. 40 and 5 per cent.		
Tanged firmer, per doz	0 85	4 00
Churns.		
Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.		
Steel, net.		3 00
Clamps.		
Judds', dis. 20 per cent.		
Stearn's, per doz	3 00	10 00
Clips.		
Axle, dis. 65 per cent.		
Closets.		
Washout, plain	3 25	
" embossed	3 50	
Coffee Mills.		
Box	3 60	13 00
Side	3 60	4 00
Enterprise, No. 0	1 35	
No. 2		70
Compasses, Dividers, Etc.		
American, dis. 62½ to 65 per cent		

Cradles, Grain.		
Canadian, dis. 20 per cent.		
Dies.		
Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.		
Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.		
Door Springs.		
Torrey's Rod, per doz.	(15 p.c.)	2 00
Coil, per doz.	0 88	1 60
English per doz.	2 00	4 00
Draw Knives.		
American, dis. 70 and 10 per cent.		
Canadian, dis. 25, 50 and 10 per cent.		
Drills.		
Hand and Breast		
Millar Falls, per doz.	16 00	51 50
P. S. & W., dis. 40 per cent.		
DRILL BIT.		
Yorse, dis. 37½ to 40 per cent.		
Standard, dis. 50 and 5 to 55 per cent.		
ELBOWS.		
Stovepipe.		
Per doz	85	1 70
FAWCETS.		
Cork Lined, per doz.	0 30	0 35
Wine, per doz.	1 30	3 25
Star,	2 80	3 90
Fenn's Corkstops, No. 2, per dozen		1 70
Petroleum, per doz.	4 50	6 50
FILES AND RASPS.		
Globe File Mfg. Co.'s dis., files and rasps, 60 and 10 to 70 per cent.		
Toronto File Co.'s dis., files and rasps, 60 and 10 to 70 per cent.		
Black Diamond, 50 and 10 to 60 per cent.		
Kearney & Foute, 60 and 10 per cent. to 60, 10, 10		
Nicholson File Co., 50 and 10 to 60 per cent.		
Heller's Horse Rasps, 50 to 50 and 5 per cent.		
Jowitt's, English list, 25 to 27½ per cent.		
American, 60 to 60 and 5 per cent.		
Great Western, 60 and 10 per cent.		
Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 50 p.c.		
FLUTING MACHINES.		
Each	0 60	2 00
FORKS.		
Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.		
FEEZERS		
Ice Cream.		
Gem from \$1.25 to \$7 net.		
White Mountain, 1 to 25 qt.	1 35	13 50
Arctic, dis. 50 p.c.		
FRUIT PRESSES.		
Henis, per doz.	3 25	3 50
Shepard's Queen City, dis. 15 per cent.		
FRY PANS.		
Acme, dis. 65 to 67½ per cent.		
GAUGES.		
Marking, Mortise, Etc.		
Stanley's, dis. 50 to 55 per cent.		
Wire Gauges.		
Winn's, Nos. 26 to 33, each.	1 65	2 40
GLASS.		
Window.		
Box Price.		
Star.	Double Diamond.	
Size United Inches.	Per 50 ft.	Per 100 ft.
Under 25	1 60	3 00
26 to 40	1 75	3 30
41 to 50		3 70
51 to 60		4 00
61 to 70		4 30
71 to 80		4 70
81 to 85		5 25
86 to 90		10 30
91 to 95		11 70
96 to 100		13 75
101 to 105		15 70
106 to 110		
GLUE POTS.		
Tinned, each	0 30	
Enamelled each.	0 55	
GRINDSTONE FIXTURES		
Per doz.	3 60	4 00
HAMMERS.		
Nail		
Maydole's, dis. 5 to 10 per cent.		
Can., dis. 25 to 27½ per cent.		
Tack.		
Magnetic per doz.	1 10	1 20
Sledge.		
Canadian, per lb	0 07½	0 08½
Ball Pean.		
English and Can., per lb.	0 22	0 25
HANDLES.		
Axe, per doz., net.	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pairs.	0 40	2 50

Chisel.		
Firmer, per gross	3 00	4 50
Socket Firmer, per gross	3 25	8 00
Socket Framing, per gross	3 75	5 00
Fork.		
C. & B., dis. 45 per cent. rev. list.		
Hoe.		
C. & B., dis. 45 per cent. rev. lis		
Saw.		
American, per doz.	1 00	1 25
Plane.		
American, per gross	3 15	3 75
Hammer and Hatchet.		
Canadian, 45 per cent.		
Cross-Cut Saw.		
Canadian, per pair	0 13½	0 20
HANGERS.		
Door, 4 and 5 inch, per pair.	0 40	0 50
Lanes, 62½ per cent.		
HATCHETS.		
Canadian, dis. 40 to 42½ per cent		
HINGES.		
Blind, Parker's, dis. 60 and 10 to 65 per cent		
" Shepard's Noiseless, dis. 60 per cent.		
" Buffalo, dis. 60 to 70 p. c.		
Light T and strap, 70 and 10 p.c.		
Heavy, per lb	0 03½	0 04½
Screw hook and hinge—		
6 to 12 in., per 100 lbs.	3 15	
14 in. up, per 100 lbs.	2 35	
		Per doz. set.
Screw Eureka.	1 13	1 80
Gate, Clark's	1 50	2 20
" Shepard's, dis. 50 to 60 per cent.		
		Per gro. pair.
Spring.		9 50
" Shepard's Samson.		1 20
HOES.		
Garden, Mortar, etc. dis. 60, 10 and 5 p.c.		
Planter, per doz.	4 00	4 50
HOOKS.		
Cast Iron.		
Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross.	1 00	3 00
Chandelier, per doz	0 50	1 00
Wrought Iron.		
Wrought Hooks and Staples, Can., dis. 47½ per cent.		
Wire.		
Hat and coat, dis. 60 to 60 and 10 p.c.		
Belt, per 1,000	0 60	0 70
Screw, bright, Eng., dis. 60 per cent		
HORSE NAILS		
" P. B.", dis. 50 p.c.		
" C" brand, 50 p.c. dis.		
" M" brand 50 p.c.		
Acadian, 50 and 20 per cent.		
HORSE SHOES.		
Iron Shoes.	F.O.B. Montreal	F.O.B. Toronto*
Light, medium, and heavy.	3 15	3 25
Snow shoes	3 40	3 50
Steel Shoes.		
Light, all sizes	3 35	3 45
Extra light	4 50	4 60
Toe weight (steel)	5 50	5 60
*Also Hamilton, London, Guelph, St. John, Halifax.		
ICE PICKS.		
Star, per doz.	3 00	3 25
KETTLES.		
Brass spun, 7½ p.c. dis. off new list.		
Copper, per lb.	0 30	35
American, 60 and 10 to 65 and 5 p.c.		
KEYS.		
Lock, Can., dis. 50 p.c.		
Cabinet, trunk, and padlock, Am. per gross.		1 60
KNOBS.		
Door, japanned and N.P., per doz.		0 90
Bronze, Berlin, per doz.	2 75	3 25
Bronze Genuine, " "	6 00	9 00
Shutter, porcelain, F. & L. screw per gross.	1 30	4 00
KNIVES.		
Clauss, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.		
Christie, bread, cake, and paring knives, \$7.00 doz. sets, with 10 p.c. off.		
Hay knives, spear point, L or T handle, 60 10 and 5 per cent.		
Lightning, per doz.	6 50	8 40
Heath's, \$7.75 net.		
LADLES.		
Melting, per doz.	1 70	4 50
LEMON SQUEEZERS.		
Porcelain lined, per doz.	2 20	5 60
Galvanized, " "	1 87	3 85
King, wood, " "	2 75	2 90
" glass, " "	4 00	4 50
All glass " "	1 20	1 30
LINES.		
Fish, per gross.	1 05	2 50
Chalk, " "	1 90	7 40

LOCKS.			PULLEYS.			SCREWS.			Leather carpet tacks			65
Canadian, dis. 50 p.c.			Hothouse, per doz.	0 55	1 00	Wood, F. H., iron, and steel, dis. 87½ & 10 p.c.			Trunk nails, black and tinned	75		
Russell & Erwin, per doz.	1 75	7 50	Axle	0 22	0 33	Wood, R. H., " dis. 80 and 10 p.c.			Clout nails	75		
Cabinet.			Screw	0 27	1 00	" F. H., brass, dis. 82½ and 10 p.c.			Cigar box nails	45		
Eagle, dis. 30 p.c.			Awning	0 35	2 50	" R. H., " dis. 75 and 10 p.c.			Lining nails in papers	10		
Padlock.			PUMPS.			Drive Screws, 87½ and 10 per cent.			" " in bulk	15		
English and Am., per doz.	50	6 00	Canadian cistern	1 40	2 25	Bench, wood, per doz.	3 25	4 00	" " solid heads, in bulk	70		
Scandinavian,	1 00	2 40	Canadian pitcher spout	1 15	2 00	iron,	4 25	5 75	Saddle nails in papers	10		
Eagle, dis. 15 to 17½ p.c.			PUNCHES.			SCYTHES.			" " in bulk	15		
MACHINE SCREWS.			Saddlers', per doz.	1 00	1 85	Discount, per doz. net	4 50	6 00	Tinned capped trunk nails	15		
Iron and Brass.			Conductors,	9 00	15 00	SCYTHE SNATHS.			Double pointed tacks, discount 90 p.c.			
Flat head, discount 25 p.c.			Tinners' solid, per set	0 00	0 72	Canadian, dis. 50 p.c.			TAPE LINES.			
Round Head, discount 20 p.c.			" hollow, per inch	0 00	1 00	SHEARS			English, ass skin, per doz	2 75	5 00	
MAGNOLIA METAL, ETC.			RAIL.			B. & W., japanned, dis. 75 p.c.			English, Patent Leather	5 50	9 75	
Magnolia Anti-Friction Metal, per lb.	25		Barn door, per foot	0 02½	0 02½	Seymour's, dis. 60 p.c.			Chesterman's, each	0 90	2 85	
No Name Metal	15		Sliding door, "	0 03½	0 03½	Etna, dis. 75 to 75 and 10 p.c.			" steel, each	0 80	8 00	
Mystic Metal	10		Lanes,		0 02½	Heinisch, dis. 60 p.c.			THERMOMETERS.			
F. O. B. New York or Chicago.			RAKES.			Bristol, japanned, 80 p.c.			Tin case and dairy, dis. 75 to 75 and 10 p.c.			
MALLETS.			Cast steel and malleable Canadian, list dis 60 to 60, 10 and 5 p.c. revised list.			" N.P., dis. 70 p.c.			THIMBLES.			
Tinsmiths', per doz.	1 25	1 50	Wood, 25 per cent.			lauss, full nickel, 60 p.c.			Asbestos, filled, per doz., 35 to 40 p.c.			
Carpenters', hickory, per doz.	1 25	3 75	RAZORS.			" japanned handles, 67½ p.c. off.			TIES.			
Lignum Vitae, per doz.	3 85	5 00	Geo. Butler & Co.'s, per doz.	8 00	18 00	Seymour or Heinisch tailor shears, 15 p.c.			Cow, per doz	1 25	2 00	
Caulking, each	1 60	2 00	Boker's,	7 50	11 00	SHEAVES.			TINNERS' TOOLS.			
MATTOCKS.			Wade & Butcher's,	3 60	10 00	Sliding door, per set	0 77	1 40	P. S. & W., 10 p.c.			
Canadian, per doz.	8 50	10 00	Arbenz's,	9 00	18 00	SHOVELS AND SPADES.			Canadian, 35 to 37½ per cent.			
American, 60 and 10 p.c. off list.			Theile & Quack's,	7 00	12 00	Canadian, dis. 40 and 10 to 45 and 2½ p.c.			TINWARE.			
MEAT CUTTERS.			RAZOR STROPS.			SIEVES.			Stamped, dis., Assn. list, 80 and 10 per cent.			
American, dis. 30 to 32½ p.c.			Currier's, per doz.	1 25	3 60	Wood rim, black, per doz.	1 05	1 10	Japanned, prices on application.			
German, 15 per cent.			RIVETS AND BURRS.			" tinned,	1 25	1 35	Pieced, prices on application.			
MINCING KNIVES.			Carriage, Section, Wagon Box Rivets, etc., (Steel), 65 p.c.			Tin rim, per doz.	2 30	2 45	TOE CALKS.			
American, per doz.	3 42	2 35	Carriage, Section, Wagon Box Rivets, etc., (Norway Iron), 60 p.c.			black.	1 85	2 25	Blunt Calks, per box	1 00		
MOLASSES GATES.			Black M. Rivets (Steel), 65 p.c.			SNAPS.			Sharp Calks, "	1 25		
Stebbin's Patent, dis. per cent., 77½ per cent			Black and Tinned Rivets, 60 and 5 to 65 and 5 p.c.			Harness, German, dis. 35 to 37½ p.c.			TRANSOM LIFTERS.			
NAILS.			Copper Rivets & Burrs, 45 p.c. Jis.			Acme	3 00	5 00	Payson's, per doz	2 60		
Cut Nails (Iron). Quotations are:			" in ½ lb. boxes and cartoons, 1c. per lb. extra, net.			Lock, Andrews'	4 50	11 50	TRAPS. (Steel.)			
24, and 3d	\$2 75		Burrs, iron or steel, 55 and 5 per cent.			SOLDERING IRONS.			Game, Newhouse, dis. 40 p.c.			
34, and 3d	2 40		Terms, 4 mos. or 3 per cent. cash 30 days.			Per lb	0 25		Game, H. & N., P. S. & W., 65 p.c.			
4 and 5d	2 15		RIVET SETS.			WROUGHT SPIKES.			Game, steel, 72½, 75 p.c.			
6 and 7d	2 05		Canadian, dis. 35 to 37½ per cent.			Discount, 35 to 40 per cent.			Mouse, per doz	0 35	1 50	
8 and 9d	1 90		ROPE, ETC.			SPOKE SHAVES.			Rat, per doz	1 40	5 50	
10 and 12d	1 85		7-16 in. and larger, per lb	10½		Wood, English	1 80	5 00	TROWELS.			
16 and 20d	1 80		¼ and 5-16 in.	11½		Iron, American	1 35	2 35	Diston's, discount 10 per cent.			
30, 40, 50 and 60d. (base)	1 75		Cotton	13		SPOONS AND FORKS.			German, per doz	4 75	6 00	
Cut Nails (Steel). Add 10c. to the prices in list for iron nails.			Russia Deep Sea	14½		Tea spoons, per gross	7 50	12 00	Brade's	5 00	10 50	
Wire Nails, basis, \$1.85, Toronto.			Jute	6¾	7½	Dessert, "	21 00	00 00	S. & D., discount 35 per cent.			
Brads and finishing nails, special sizes, 80 p.c. from new list.			Lath Yarn	8½		Table, "	30 00	30 00	TRIERS.			
NAIL PULLERS.			New Zealand Rope	9½		Dessert Forks, "	24 00	00 00	Butter, per doz	6 25	9 00	
German and American	1 85	3 50	RULES.			Medium "	27 00	00 00	TWINES.			
NAIL SETS.			Boxwood, dis. 80 and 10, to 80 and 12½ p.c.			Table "	35 00	00 00	Bag, Russian, per lb.	0 21		
Square, round, and octagon,			Ivory, dis. 37½ to 40 p.c.			SQUARES.			Wrapping, mottled, per pack	0 50	0 60	
per gross	3 38	4 00	SAD IRONS.			Iron, per doz.	1 65	2 90	Wrapping, cotton, per lb	0 17	0 18	
Diamond	12 00	15 00	Mrs. Potts, per set	0 62½	1 00	Steel, dis. 70 per cent, revised list.			Mattress, per lb.	0 33	0 45	
NETTING.			" N.P., per set	90		Try and bevel, dis. 50 to 52½ p.c.			Staging, "	0 27	0 35	
Poultry, 67½ per cent. for imported,			SAD HEATERS.			STAPLES.			Broom, "	0 30	0 55	
55 per cent. for McMullen's.			Dome, Shepard's, per doz.	4 75	5 00	Fence, galvanized	2 25	2 50	VISES.			
OIL.			SAND AND EMERY PAPER.			Wrought iron, dis. 80 to 82½ p.c.			Hand, per doz	4 00	6 00	
Canada refined oil (Toronto)	0 14		Dominion Flint Paper, 47½ per cent.			American, dis. 25 p.c.			Bench, parallel, each	2 00	4 50	
Carbon safety "	0 16½		B. & A. sand, 40 and 2½ per cent.			STONE.			Coach, each	6 00	7 00	
American w. w. "	0 17½		Emery, 40 per cent.			Washita, per lb.	0 28	0 60	Peter Wright's, per b.	0 12	0 13	
Pratt's Astral	0 17		SASH CORD.			Hindustan	0 06	0 07	Pipe, each	5 50	9 00	
OILERS.			Per lb.	0 20	0 50	slips, per lb.	0 09	0 09	Saw, per doz	6 50	13 00	
McClary's Model galvan. oil			SASH LOCKS.			Labrador	0 13	0 15	WASHER CUTTERS.			
can, with pump, 5 gal.	0 00	9 00	Triumph and Morris, dis. 37½, 40 per cent.			Turkey	0 50		Per doz	4 00		
per doz.			Kempshell's, dis. 40, 62½ per cent.			Arkansas	0 00	1 50	Washers "Iron," 40 per cent., 4 months per cent.			
Zinc and tin, dis. 50, 50 and 10.			Canadian, dis. 45, 50 per cent.			Water-of-Ayr	0 00	0 10	Amer., per doz., 8, 10 and 12 inch.	3 38		
Copper, per doz.	1 25	3 50	SASH WEIGHTS.			Scythe, per gross	3 50	5 00	WELL WHEELS.			
Brass,	1 50	3 50	Sectional, per 100 lbs	1 40	1 75	Grind. per ton	15 00	18 00	Brass Wire, 16 to 25 wire gauge, 12½ p.c.			
Malleable, dis. 25 per cent.			Solid,		1 25	Stove Polish.			Copper Wire, 12½ p.c.			
PAIS.			SAWS.						Annealed, annealed and oiled, 35 per cent.			
Galvanized, per doz.	1 85	3 00	Crosscut, McMillan & Haynes,	0 40	0 70	No. 4-3 dozen in case	\$4 50		galvanized, 30 per cent.			
PENCILS.			" Empire," McMillan & Haynes,	0 70		No. 6-3 dozen in case	7 50		[In lots of 1,000 lbs., 35 per cent. discount, annealed oiled, and annealed and galvanized, freight will be prepaid when not exceeding minimum rate of 20c. per 100 lbs.]			
Dixon's, per gross	1 00	4 25	per ft.	0 70		TACKS, BRADS, ETC.			Bright wire, coppered steel and spring, 33½ to 35 p.c. revised list, f.o.b. Montreal			
Carpenter	2 25	3 60	Hand, Diston's, dis. 12½ to 15 p.c.			Cheese-box tacks, blue, 80 and 20 p.c.			Toronto or Hamilton.			
PICKS.			S. & D., 40 to 40 and 10 per cent.			Trunk tacks, black, 80 and 12½ p.c.			Broom Wire, per lb	0 05½	0 06	
Porcelain head, per gross	1 40	3 00	Crosscut, Diston's, per ft.	0 35	0 55	" tinned, 80 and 12½ p.c.			Clothes Line Wire, 19 gauge, per 1,000 feet	2 75	3 00	
Brass head,	0 40	1 00	S. & D., dis. 35 p.c. on Nos. 2 and 3.			B.B.B., iron carpet, blued	80		WIRE FENCING.			
PICTURE NAILS.			Hack, complete, each	0 75	2 75	" tinned	80		Galvanized, 2 barb, 2½ and 5 inches apart	1 80	2 00	
PIPE CUTTING MACHINERY			" frame only		0 75	B.B.B., iron carpet, bright or blued (in kegs)	40		Galvanized, 4 barb, 4 and 6 inches apart	1 80	2 00	
Forbes Patent Die Stocks.—Curtis & Curtis, Mfrs., Bridgeport, Conn.			SAW SETS.			B.B.B., cut tacks (in bulk)	80		Galvanized, plain twist, all.			
No. 30 Hand Machine, range ¼ to 2 in. R. & L.	\$ 50 00		Lincoln," McMillan & Haynes, per doz.	6 00	7 50	" ¼ weights, 4 to 14	55		delv'd			
No. 35 Hand Machine, range 1½ to 4	100 00		Whiting	5 63	7 00	Swedes, cut tacks, genuine, blued and tinned, bulk.	80		Plain twist			
No. 56 Hand Machine, range 2½ to 6	175 00		SCALES			Swedes, upholsterers, 80 and 20.			Terms, 60 days, or 2 per cent. in 10 days			
PLANES.			Gurney Scales, 50 p.c.			Swedes, carpet, blued and tinned, doz.	70		WIRE CLOTH.			
Wood, bench, Canadian dis. 55 per cent.			B. S. & M. Scales, 50 p.c.			" lace	75		Painted Screen, per 100 sq. ft.	1 20		
American dis. 55.			Champion, 60 per cent			" brush	50		Terms 4 months or 3 per cent. 30 days.			
Wood, fancy Canadian or American, 37½ to 40 per cent.			SCRAPERS			" gimp, blued, tinned & japan'd	75		WRENCHES.			
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.			Box, per doz.	2 10	4 50	Zinc tacks	35		Acme, 35 to 37½ per cent.			
Miscellaneous, dis. 25 to 37½ per cent.			Boot,	0 40	3 50	Copper tacks	62½		Agricultural, 7, 10 and 5 to 75 p.c.			
Bailey's Victor, 25 per cent.			SCREENS.			WOOD.			Standard, dis. 60, 60 and 10 per cent			
PLANE IRONS.			Door, patent, per doz	6 50	11 00	WOOD.			Coe's Genuine's, dis. 30 to 32½ p.c.			
English, per doz.	2 00	5 00	Window, per doz	2 00	2 75	WOOD.			Diamond, dis. 33½ to 35 per cent.	2 40	7 00	
PLIERS AND NIPPERS.			SCREW DRIVERS			WOOD.			Towers' Engineer, each	5 80	6 00	
Button's Genuine, per doz pairs, dis. 37½ 40 p.c.			Sargent's, per doz.	65	4 00	WOOD.			" S., per doz	2 80	6 00	
Button's Imitation, per doz.	5 00	9 00	SAWS.			WOOD.			G. & K.'s Pipe, per doz	3 40		
German, per doz.	0 60	2 60	Lincoln," McMillan & Haynes, per doz.	6 00	7 50	WOOD.			Gusella's Pipe, each	3 00		
PLUMBS AND LEVELS.			Whiting	5 63	7 00	WOOD.			Pocket, per doz	25	2 00	
S.R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.			SAWS.			WOOD.						
POPPERS.			Crosscut, McMillan & Haynes,	0 40	0 70	WOOD.						
Corn, square, per doz.	1 35	2 00	" Empire," McMillan & Haynes,	0 70		WOOD.						
PRUNING SHEARS.			per ft.	0 70		WOOD.						
Per doz.	4 00	5 50	Hand, Diston's, dis. 12½ to 15 p.c.			WOOD.						
SAWS.			S. & D., 40 to 40 and 10 per cent.			WOOD.						
SAWS.			Crosscut, Diston's, per ft.	0 35	0 55	WOOD.						
SAWS.			S. & D., dis. 35 p.c. on Nos. 2 and 3.			WOOD.						
SAWS.			Hack, complete, each	0 75	2 75	WOOD.						
SAWS.			" frame only		0 75	WOOD.						
SAWS.			SAW SETS.			WOOD.						
SAWS.			Lincoln," McMillan & Haynes, per doz.	6 00	7 50	WOOD.						
SAWS.			Whiting	5 63	7 00	WOOD.						
SAWS.			SCALES			WOOD.						
SAWS.			Gurney Scales, 50 p.c.			WOOD.						
SAWS.			B. S. & M. Scales, 50 p.c.			WOOD.						
SAWS.			Champion, 60 per cent			WOOD.						
SAWS.			SCRAPERS			WOOD.						
SAWS.			Box, per doz.	2 10	4 50	WOOD.						
SAWS.			Boot,	0 40	3 50	WOOD.						
SAWS.			SCREENS.			WOOD.						
SAWS.			Door, patent, per doz	6 50	11 00	WOOD.						
SAWS.			Window, per doz	2 00	2 75	WOOD.						
SAWS.			SCREW DRIVERS			WOOD.						
SAWS.			Sargent's, per doz.	65	4 00	WOOD.						

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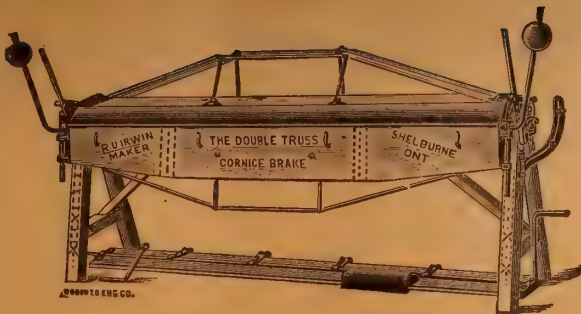
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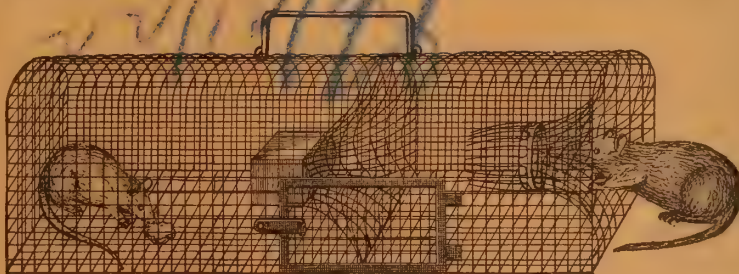
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Iron, because it will always do your work,
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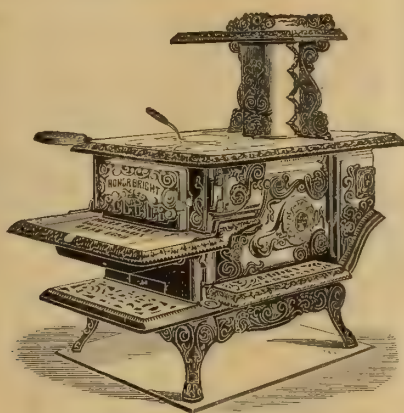
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- Heavy.
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'HAPPY THOUGHT' Range.

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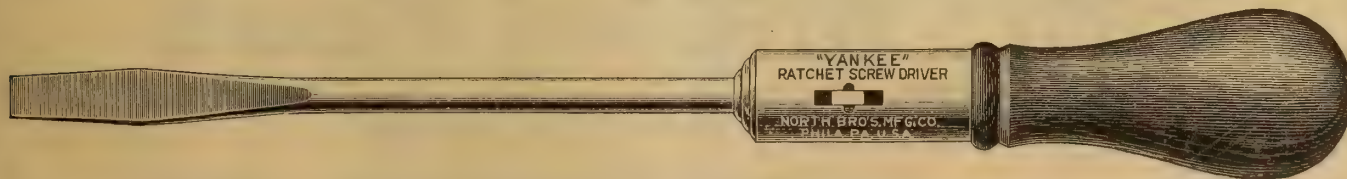
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"YANKEE" TOOLS ARE BETTER



SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12|inch.

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CAVERHILL, LEARMONT & CO.	-	-	MONTREAL
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Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinisch's Sons Co. vs. Hermann Boker & Co.:

"The complainant (R. Heinisch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinisch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinisch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorn & Co., St. John, N.B.; H. S. Howland, Sons & Co., Toronto, and others.

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Manufacturers of

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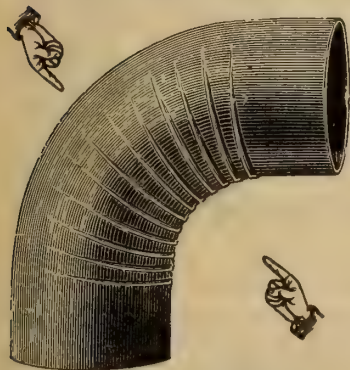
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DAVIDSON'S

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ONE-PIECE

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Made in

TWO QUALITIES

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They have flat pleats that do not catch the dust.

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Neatest and strongest, durability unsurpassed, unequalled for appearance and finish.

The heavy reductions we have made in our prices make them as cheap as the old style pieced elbows.

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Meat Cutters

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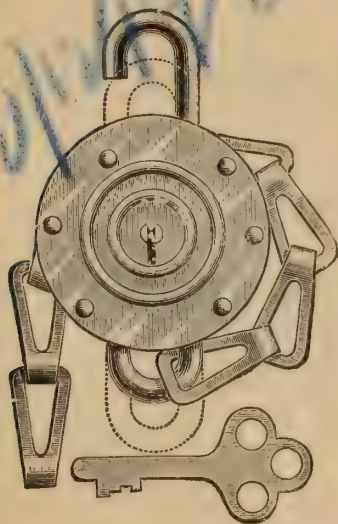
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Toe Clips, Coasters,
Wrenches, and
BICYCLE PAD LOCKS



Also . . .



"Giant" Metal Sash Chain, Pulleys, "Red Metal" and Steel Chain---Pad Locks, and Rat Traps.

Manufactured by

THE SMITH & EGGE MFG. CO

Send for
Sundry Catalogue.

Bridgeport, Conn., U.S.A.

KEMP'S Standard One-Piece ELBOWS.

Made of ---

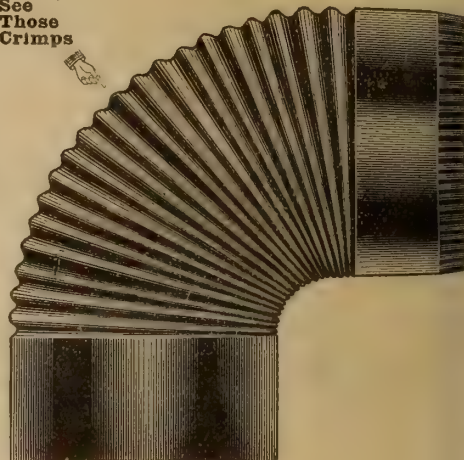
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**Extra Heavy
Smooth Steel.**

In
Two
Qualities :

Nos. 1 and 2.

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is popular**



Because it is the strongest elbow made.
Because it is attractive in appearance.
Because it will not get damaged in shipping.
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Because it is rivetted ready for use.
Because it is as cheap as the ordinary pieced elbow.

The improved process of manufacture produces a short turn, therefore, less material is used, and, consequently, less weight per dozen, which results in a great reduction in freight and a reduced cost to the buyer.

Kemp Manfg. Co., Toronto



Vol. X.

MONTREAL AND TORONTO, AUGUST 6, 1898

No. 32

President, Treasurer,
JOHN BAYNE MacLEAN, HUGH C. MacLEAN
Montreal. Toronto.

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Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P. E. Island and Newfoundland.

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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

THE QUEBEC CONFERENCE.

THE appointment of a joint commission by Great Britain and the United States to adjust the differences that have been in dispute, practically between Canada and the United States, is of momentous importance to Canada, and we should have on the commission the best representatives possible, regardless of the particular political party to which they may belong.

The President of the United States has recognized this by the appointment of Mr. Gray, a Democrat, from Delaware, and Great Britain by the appointment of Lord Herschel, who is not a Conservative.

It remains for Canada to select its commissioners from one political party, so that,

no matter what conclusions may be arrived at, it is quite probable they will be treated in the House of Commons, where the treaty must be ratified, as a partizan measure.

Canada has much to gain and much to lose by this conference, and, as it is Canada and not solely the Liberal party that is to gain or lose by a treaty, the feeling among business men generally is that a representative from the Conservative party should be among the Dominion representatives.

The name of Sir Charles Tupper naturally suggests itself as one of Canada's ablest statesmen. He has before been on international treaties, notably the Washington Treaty, and, later, in the treaty with France. He has had over 40 years' experience in public life, in Nova Scotia, Canada and England, and there is not one Canadian on this commission that can compare with him in experience, while his ability is beyond question.

It is to be hoped that Sir Wilfrid Laurier will reconsider the matter and unite all political parties by appointing Sir Charles Tupper on this commission, in place of, say John Charlton, whose appointment is not popular in Liberal circles.

EVERLASTINGLY AT IT!

Have your travelers ever complained about the scarcity of orders? Look for causes and you will invariably find that one of the principal reasons is that you do not keep the trade posted on your goods by continually having them before the public. Keeping everlastingly at it brings success in these days of keen competition.

ADVANCE IN RUBBER GOODS.

ON August 1 the price of all mechanical rubber goods was advanced 10 per cent. by the Canadian manufacturers. This action is contemporaneous with that of the mechanical rubber companies all over the world, the Canadian manufacturers really being the last to make the advance.

The cause of this advance is the enhanced price of raw material. Nearly every ingredient that enters into the manufacture of rubber has increased greatly in value in the last year or so. The principal ingredient, of course, is crude rubber. In this article for the last three years there has been a continual increase in value, the last six months showing the most acute advances. Some grades of crude rubber have advanced 60, some 80, some 100 per cent. over the figures of a few years ago.

This increase in the price of the raw material is natural, too, because of the unprecedented increase in the consumption of rubber. The increase in the use of rubber in Germany and Russia has been especially remarkable, amounting to over 400 per cent. in a few years. This is due to the many new uses to which rubber is constantly being put. This is best illustrated by reference to the extraordinary development of the use of rubber for bicycle tires during the past few years.

The production of crude rubber has increased materially during recent years, but not in proportion to the increase in the consumption, nor even as largely as it might be increased.

It is well known that rubber comes from

the rubber tree, which grows in great numbers in all tropical countries, notably the Central American and Southern American States or Republics, and in various parts of Africa and Oceania. In a great number of these States, internal dissensions or international warfare is so common that attention is taken away from all industries, and the rubber industry is one of the chief sufferers.

This fact, combined with the native laziness or indolence of the negro or half-caste inhabitants of these countries has naturally retarded the increase of production, which the forests could easily stand.

With the consumption increased beyond the production the expense of production has not been augmented, but, as this production is in the hands of strong companies, these firms have taken advantage of a possibility of higher prices, and have compelled an advance in the price of crude rubber, thus enhancing the value of all rubber goods.

The manufacturers of rubber goods the world over have been conservative about increasing their prices, and kept on selling at the old prices till the large stocks they had supplied themselves with before the most recent advances were exhausted, and they had to purchase new stocks of crude rubber.

It must be remembered, also, that not only has rubber advanced, but also lead, which is fully 10 per cent. dearer than a year ago; sulphur which has, on account of the war, advanced nearly 500 per cent.; cotton goods, and in fact, almost every ingredient that enters into the manufacture of mechanical rubber goods.

The cost of all raw materials is now at a point, which, if maintained, will eventually, in the the opinion of the trade, force another advance in the manufactured article.

BARB WIRE LOWER.

Manufacturers of barb wire in Canada have issued a new list of prices.

The figures show a decline of 10 to 15c. per 100 lb., and there is some change in the manner of quoting, there now being a difference of 5c. per 100 lb. in 4 and 2 point wire. The prices are \$1.85 for 4 point and \$1.90 for 2 point f.o.b. Toronto or London. Plain twist is quoted at \$1.90.

Staples are quoted at \$2. per 100 lb. for galvanized and \$1.80 for bright.

A reduction in price is usually made at this time of the year, in common with the practice in the United States. At present the market across the line is weak, but a good fall trade is anticipated.

EXPANDING LUMBER EXPORTER.

The Argentine Republic is expanding as a lumber exporting country. The total quantity sent out last year was valued at \$6,000,000, part of which went to the United States.

By way of comparison it may be perhaps not uninteresting to note that Canada's exports of lumber last year were \$23,808,562 and those of the United States \$21,814,952. Timber and logs are omitted in both instances.

A DILATORY BOARD.

AFTER months and months of wrangling, the Montreal Harbor Commissioners finally agreed to adopt the plan that found favor with Hon. Mr. Tarte, which calls for a basin in the east end.

While the mercantile community were opposed to this basin, they recognized the fact that there could be no improvements inaugurated unless it was adopted, as Mr. Tarte would veto any other plan. Accordingly, for the sake of expedition, they swallowed the objectionable feature of Mr. Tarte's plan in the hope that the improvements to the harbor would be started in earnest this summer.

Up to the present time there has been little indication of any energetic steps being taken at all. The commissioners have held many sittings, and now it turns out that they require the city to pay over a small balance of some \$120,000 before they will go ahead. Altogether, it is extremely doubtful if anything will be done this season towards commencing these important improvements.

Mr. Tarte is nothing if not energetic, and, if he could inoculate some of the commissioners now sitting on the Montreal Harbor Board with some of it, the shipping and mercantile community of the commercial metropolis would stand a better chance of having these much needed improvements completed more expeditiously.

DROPS FROM THE EDITOR'S PEN.

A big head is too large for the biggest business.

Snarling merchants like snarling dogs always drive people away.

He who gets money should be careful he does not get meanness with it.

It takes time to learn a business just as it requires practice to become strong.

When a man goes to law it is usually to lose his money even if he wins his case.

Every moment lost is a golden nugget sunk beyond recovery in the Ocean of Time.

When a man gets down to business late his business is usually early in leaving him.

Merchants who do not keep up to Date will be overtaken and ruined by Bankruptcy.

Those who essay to get something for nothing usually get one thing—disappointment.

The business that cannot stand advertising is like a vessel that is too weak to allow a sail to be hoisted.

People who fail in everything else sometimes go into business. And the last state is often worse than the first.

There was an old saying that a lying tongue ought to be cut out. Modernized, the same doctrine ought to be applied to the lying "ad."

Dishonesty is about the most unreliable thing a merchant or anyone else can employ to accomplish that which it was employed to accomplish.

Some only learn to swim after being thrown into deep water, and some only learn to rely upon themselves after they have been thrown upon the world.

IN OUR LONDON OFFICE.

For the information of readers of **HARDWARE AND METAL** in Great Britain, an official copy of the memorandum of information and instructions respecting the British Preferential Tariff has been put on file in our London, England, office. Our representatives there will have much pleasure in showing it, together with a schedule of forms required, to any who may desire the information.

CANADA'S TRADE WITH THE FAVORED COUNTRIES.

THE amendments to the Customs Act, adopted at the last session of the Dominion Parliament, confining the preferential tariff to the British Empire, went into operation on Monday last, Aug. 1.

In the Act, goods the product of the United Kingdom, certain specified colonies and dependencies and "any other British colony or possession the Customs tariff of which, on the whole, is as favorable to Canada as the British preferential tariff herein referred to is to such colony or possession," are entitled to a reduction of one-fourth in the rate of duty. The countries mentioned in the Act as entitled to the reduction were:

The United Kingdom of Great Britain and Ireland.

The British Colony of Bermuda.

The British Colonies commonly called the British West Indies, including the following:

The Bahamas.

Jamaica.

Turks Island and the Caicos Islands.

The Leeward Islands (Antigua, St. Christopher-Nevis, Dominica, Montserrat, and the Virgin Islands).

The Windward Islands (Grenada, St. Vincent and St. Lucia).

Barbadoes.

Trinidad and Tobago.

British Guiana.

Since then, the Minister of Customs has decreed that the products of New South Wales are also entitled to share in the benefits of the preferential tariff.

There is, therefore, something like a score of different places within the Empire which are now enjoying favors under the preferential tariff. So far, the only part within the Empire which sends us anything like a large amount of products is the United Kingdom; and that transcends that of all the others combined. It was over 92 per cent. of our imports from the British Empire and over 26 per cent. of our total imports from all countries.

The actual imports from the British Empire were \$31,671,956, of which \$29,412,188 were from the United Kingdom, and but \$2,259,771 from the rest of the Empire.

From the British West Indies, which include the Bahamas, Jamaica, Turks Island and the Caicos Islands, the imports were \$1,069,043. British Guiana goods were brought in to the value of \$102,700. No figures dealing separately with the imports from New South Wales are given by the

Canadian trade returns, all being grouped under the classification of "Australasia." The total imports from Australasia last year were \$147,900. Of the Dominion's trade with the other colonies mentioned in the preferential list there is no mention whatever made in the trade returns. With some, of course, we do no trade whatever.

The duty collected in 1897 from the countries which are accorded the preferential terms and whose names figure in the Dominion trade returns was: Great Britain, \$6,205,366; West Indies, \$207,429; British Guiana, \$93,532; Australasia, \$5,031. This is a total of \$6,506,327, or less than \$20,000 short of the total duty collected on all goods imported that year from the British Empire. Were the imports of dutiable goods from the British Empire the ensuing year to be the same as that upon which the above calculation is based, Canada's revenue therefrom would only be a little over \$4,800,000, instead of over \$5,500,000, but HARDWARE AND METAL firmly believes that the revenue from British goods will be larger than before, for the simple reason that it expects the imports will be largely augmented.

The principal dutiable articles we get from Great Britain are: Books, etc., \$204,921; cement, \$109,887; cottons and manufactures of, \$2,684,462; drugs, dyes and chemicals, \$224,517; earthenware and chinaware, \$388,485; fancy goods, \$869,413; flax, hemp and jute, and manufactures of, \$1,155,274; glass and manufactures of, \$186,008; fruits (green, dried, preserved), \$212,517; gloves and mitts, \$228,060; hats, caps and bonnets \$692,613; iron and steel, etc., and manufactures of, \$2,133,447; animal and vegetable oils, \$323,653; paints and colors, \$209,485; silk and manufactures of, \$1,395,545; spirits and wines, \$425,657; wool and manufactures of, \$5,553,094. Our total imports of dutiable goods from Great Britain, in 1897, were \$20,190,468, and, of free goods, \$9,190,468.

The dutiable goods imported from the British West Indies were \$936,616, and, of free goods, \$132,427. The principal dutiable goods consisted of cocoanuts, \$15,409; sugar, \$423,333; molasses, \$468,542; fruits, \$6,779; spices, \$6,319; rum, \$4,104.

Dutiable goods imported from British Guiana were valued at \$102,472, and principally consisted of rum, \$5,951; sugar, \$74,089; molasses, \$19,871. The free goods were only valued at \$228.

As already pointed out, our own returns do not give figures for New South Wales alone, but from a New South Wales source the exports to Canada were given at £11,555, or in round numbers about \$57,000 in Canadian currency. The total exports from New South Wales to all countries were £23,010,349, of which £15,338,610 was produce of the colony.

The exports of Trinidad and Tobago in 1896, the last year for which we have any returns, were \$10,540,321, of which \$6,634,964 was merchandise of home produce. The principal export products of Trinidad and Tobago are sugar, molasses, rum, cocoa, cocoanut and asphalt, all of which Canada imports.

Jamaica's exports for the year ending March 31, 1897 were \$7,155,173, and consisted of coffee, \$1,026,603; bananas, \$1,471,755; cocoanuts, \$172,312; oranges, \$757,030; ginger, \$160,802; pimento, \$375,475; rum, \$599,629; raw sugar, \$723,571; wood (logwood) \$786,283; all other articles, \$1,081,713.

Barbadoes exported \$3,690,035 worth of goods in 1896, of which \$582,677 went to British North America. The chief items of export were: Fish, dried, \$245,009; flour, \$77,105; salted meat, \$18,574; molasses, \$593,847; rice, \$78,325; rum, \$1,209; raw sugar, \$2,122,531;

The chief products of the Bermuda Islands are early vegetables, bulbs and arrowroot. The export of the Islands are about \$500,000.

The products of the Leeward Islands are chiefly sugar and molasses, and their exports aggregate in the neighborhood of \$1,500,000.

Although the tariff concessions Canada has made have not so far induced similar favors, yet we believe the Dominion's reward will come in the shape of an enlarged trade with the Motherland and with her kith and kin in the islands of the sea. There may not be any material evidence of it for some time, but, if the business men of this country are aggressive and wise, we have no doubt as to the final result.

FALSE ECONOMY.

IN these days of ever-increasing competition, writes R. R. in Ironmongery, it behooves every man to work his business upon strictly economical lines, and to keep a close watch upon his expenses, so that any unnecessary outlay may be checked; but, while exercising this wise supervision over the financial affairs of our business, care must be taken lest we allow ourselves to go to the other extreme, and commit ourselves to the folly of acting upon "the penny wise and pound foolish" principle, and so while cutting down expenses, we also very considerably curtail the scope of our business.

One of the greatest errors, and I think the one which we are most likely to fall into, is to suppose that by reducing the staff as much business can be done as previously with less expense, and so we often find apprentices occupying positions which, in the interests of the business itself, should be filled by assistants of some experience.

No greater fallacy can be imagined than to suppose that a business can be carried on and successfully developed where the staff employed is inadequate to the ordinary requirements of the business; things may go on all right for a time, but by-and-by there comes a time when arrears of work begin to make themselves manifest; the stock begins to get disorganized and out of condition, customers do not get that prompt attention which nowadays they are so accustomed to receive, the windows do not get changed as frequently as they should be, because the time devoted to them must necessarily be very limited. "A stock well kept is half sold," is as true now as when it was first written, and how can we reasonably expect this to be the case when the staff employed is insufficient to carry out each day's work as it falls due. Frequent incapacity to effect sales, and consequent decrease in the annual turnover, must inevitably follow where apprentices are employed to do the work of assistants. Another instance of what may be regarded as "false economy" is the employment of too few hands in the workshop department. Nowadays customers expect their repairs and work executed with promptness and despatch, and the inability to do this may often lead to the loss of a good customer, whereas by giving prompt attention to all orders and executing them quickly, fresh customers may be secured and retained, and, instead of a falling off in this department, the necessity will soon be felt of considerably increasing the staff of workmen.

Another phase of "questionable economy" is to assume that by employing cheap labor we get our work done equally as well, and with a larger percentage of profit added at the end of the year, thus losing sight of the

fact that skilled labor, in whatever branch of the trade it may be employed, will always command a fair salary, and will always be found most remunerative by reason of the greater attention that will be paid to the various details, which go so far towards the successful carrying on of a business.

True economy is essential to the welfare of any business, and as such must be highly commended; but let us take care that we economize in the right direction, otherwise we may find ourselves adopting some of the questionable methods set forth in this paper.

WHAT IS BUSINESS.

What is it to be businesslike? As the American world stands to-day it means, very often, to be shrewd and cunning. What is the business man? He is, in many men's minds, the wide-awake fellow who has discovered a way of getting much more than he earns. What is business? As very often understood among us, it is the art of juggling money out of your neighbor's pocket into your own. There is a world in which to earn your bread by honest and continuous labor is not to be businesslike—is not even to be "in business." In that world, to take advantage of opportunities, to conceal what you may have learned, and to trade upon your knowledge, is business. Misleading, even, if secrecy cannot otherwise be obtained; that is business. In short, in that world to be businesslike is to be unscrupulous.—From "A Field of Art," in the July Scribner's..

WHY WAS THE SALE MISSED?

A correspondent in Pennsylvania mentions the following circumstance, and suggestively inquires why a sale was not effected:

A lady came into the store and asked to be shown some nickel tea kettles, her manner indicating that to see tea kettles was the only ostensible reason for her appearance.

The salesman held up the kettle, spoke of its lightness and the ease with which it could be kept clean and bright.

"Is it all nickel?" she asked.

"The base is copper," explained the salesman, "nickel plated on the outside and on the inside plated with tin. The tin plating prevents any poisonous effects from the bare copper, if water is left standing in it. You may notice many copper vessels are thus plated—here is a wash boiler. May I have this delivered to you?"

"Thank you, I don't think I'll take it to-day," and she left without asking the price.—Iron Age.

A NEW BUILDING FOR CHAIN MAKING.

OWING to the rapid increase in the sale of Brown's patent steel chain, The B. Greening Wire Co. have found it necessary to erect a new two-storey basement building especially adapted for the manufacture of their chain.

The heavy automatic machines which take the wire direct from the coil and turn out the chain complete, are on the first floor, and each machine deposits the chain as made in the storage bin built for that size. On the second floor is the assembling room, with forges and all light machinery for making the different parts. Here the cattle chains, trace, halter, dog, tethering and special chains which manufacturers use, are made. The finishing of the snaps and swivels and careful inspection of each part is done in this room. The polishing is done in a separate room, fitted with special appliances for the purpose, and no expense has been spared to perfect the facilities for the convenient and economic production of these useful articles.

About 10 years ago the company purchased the exclusive right for the Dominion of Canada for the manufacture of this chain, and shortly afterwards placed on the market a full line of cattle, trace, halter, dog and tethering chains. The sterling merits of these goods soon won for them a high place in the regard of the trade generally, and every season has shown a marked increase in the volume of business. This is especially the case with the cattle chains, which are so well known from one end of the Dominion to the other.

When the goods were first placed on the market there was a strong prejudice against them on account of their light appearance in comparison with the clumsy, heavy chain the trade had been accustomed to for years, but they quickly and surely verified their superiority as to lightness combined with great strength, until the firm can now justly claim it has almost entirely supplanted the old fashioned article imported from England and Germany.

The motto of this firm has always been "Only the best," which applies to the many lines they produce as well as chain, and, no doubt, this has been the secret of the position they occupy as manufacturers to-day.

WIRE NAILS. TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.,
Limited
HAMILTON, ONT.

A PROPHETIC LETTER.

MANY years ago, when the question of annexation was discussed in Canada, an American, a gentleman of some prominence, wrote The London Advertiser. His wife had a wonderful faculty of seeing the future. She saw the destiny of Canada was not annexation, and the following letter was the result. It has been kindly handed to **HARDWARE AND METAL** by Mr. Allen, of the Oneida Community, Limited, who secured a copy at the time:

Canada is not simply an "English-speaking people of this continent." It is an integral part of the British Empire. To propose the political union of Canada with the United States, independent of the remainder of the British Empire, is to propose the disintegration of that Empire.

The British Empire to-day, and prospectively for a long future, is the greatest political bulwark of modern civilization. Its flag represents, its power defends, its enterprise is upbuilding and extending, the greatest Empire of freedom and human progress the world has ever seen. To propose its disintegration is treason to that freedom and human progress, and to modern civilization.

The British Empire heads the column of resistance to the aggression and ultimate dominance of Russia and Russian barbarism over the eastern continent. Disintegrate the British Empire and Kossuth's prophetic warning may yet come true: "America may yet see Cossacks." Disintegrate the British Empire, and England and all her present colonies and dependencies will see Cossacks, and many of her sons Siberia, or its equivalent. That is the great issue of the future, that very heart of the undying eastern question. Shall Anglo-Saxon civilization, Anglo-Saxon freedom, Anglo-Saxon free bibles and free religion, Anglo-Saxon progress on all lines of human advancement, Anglo-Saxon individual liberty of movement, of growth, of education, of spiritual, intellectual, moral and physical culture, and all that makes the true glory of the English-speaking world—shall this go on to the progressive conquest and blessing of the eastern continent and of the earth, or shall the Russian, opposite of all this, prevail? To you, Canadians of to-day, this is a vital question, infinitely more important than the sale of your surplus eggs and hay, barley and potatoes, codfish and lumber. As you loyally help to settle it right, or disloyally help to settle it wrong, so will your sons and daughters of future generations bless or curse you.

By its development, under the fostering protection of the British Government, and the building of the world's greatest railway across its continental expanse, Canada has become a great highway of the Empire between the east and the west—between England and Asia and Australasia—a highway whose value in the present condition of eastern and the world's affairs cannot be measured or approximately estimated. Sever Canada from the British Empire and you cut the Empire in two, close this highway and antagonize the world's best interests.

Not the union of Canada with the United States, with its attendant disintegration of the British Empire, but the loyal union of Canada with the whole British Empire, and the union of the whole British Empire and the United States of America in one fraternal, world-wide, Anglo-Saxon Confederation, offensive and defensive, should be the watchword and political rallying cry, not only of Canada but of the English-speaking world. Until this larger union comes let Canada stand with England.

FALSE ECONOMY.

The money apparently saved in the purchase of a "cheap" paint is quickly lost in the need there always is, when it is used, of soon doing the work over again.

"Cheap" paints don't last. It's money wasted to apply them.

The cost of putting on a poor paint and a good paint is the same. The "putting on" is generally two-thirds the entire cost of painting. A good paint will last ten times as long as a poor one. The advantage of a good paint over a poor one is overwhelming. Anybody with reason can understand that.

It is no wonder then that **THE SHERWIN-WILLIAMS CO'Y** would never condescend to make anything but ONE quality of paint—the very best.

There is no sound reason, there is no good excuse why any but the very highest quality of paint should EVER be sold. Every time anything else is sold the user suffers.

Better to handle **S.W.P.** and then you'll be right.

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers,

Walter H. Cottingham
Managing Director
Canadian Dept.

CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON

THE RICHEST PLACER MINES.

A correspondent of Bradstreet's New York, writing from Dawson City in regard to the Klondyke says:

"I am told by miners from Australia, Africa, British Columbia and the United States that there is more gold in sight here than in any other placer digging yet discovered. The output is a much-discussed question, but is much exaggerated. I have taken some trouble to compute the amount of the output, and the closest figures would indicate that it will be between \$8,000,000 and \$10,000,000. The royalty of 10 per cent. is looked upon here as a great hardship, and is retarding the work to some extent, and I know a large number of the miners who will 'sit on their claims' in hopes of a reduction. Water on the Eldorado and Bonanza creeks is very scarce, and very little work is being done there at the present time on the dumps."

SHEFFIELD TRADE WITH AMERICA.

The Sheffield cutlery houses doing business with America say that scarcely within living memory has trade been so depressed as at the present time. Many of the firms have the bulk of the stocks on hand they laid in before the new tariff came into operation, and of some classes of goods they

have, at the present rate of sales, sufficient to last them for two years. The orders that come to hand, alike for table and pocket cutlery and for razors, are only for small quantities. The opinion is held in some quarters that with the close of the war business will begin to move.—Hardwareman.

PROGRESS OF A NEW INDUSTRY.

The amount of long bamboo poles used by Canadian manufacturers for various purposes is hardly realized by the general public. A large number are sold for fishing poles every season, and some for fancy furniture and other things. The most useful purpose for which they have been utilized is in making the "sweeping work" light and easy. They are now widely used throughout the country as handles for corn brooms. Many carloads are consumed every year for this purpose, which is not at all surprising when the difference in weight is taken into consideration between the lightness of bamboo and old fashioned style of hardwood handle. A broom made with one of these bamboo handles is claimed to be stronger as well as neater than the ordinary kind. These handles are also being decorated in Japanese style. Boeckh Bros. & Company, who manufacture these bamboo handle brooms in a variety of styles and grades of corn, as well as whisks, report a large demand. They state that every inch of these poles is used, and that in course of time these light handled brooms will almost entirely supplant the ordinary wooden handled article.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

MC GREGOR & CO., general merchants, Westville, N.S., are offering to compromise at 50 cents on the dollar.

Charles Hicks, general merchant, Midgie, N.B., has assigned.

Bernard Wittes, general merchant, Newcastle, N.B., has assigned.

W. A. Anderson, dealer in lumber and ice, St. John, N.B., has assigned.

Assignment has been demanded of Nil Cayouette, sawmill owner, St. Moise, Que.

J. B. Boisvert, general merchant, St. Hilaire, Que., has assigned to A. Desmarteau.

PARTNERSHIPS FORMED AND DISSOLVED.

L. Landry & Co., builders, Montreal, have dissolved.

Richardson Bros. have registered partnership as general merchants, in St. George, Ont.

A new copartnership has been formed by Harry S. Sancton and Archie C. Hicks, under the style of Sancton & Hicks, painters, Bridgetown, N.S.

Baker Bros. & Co., wholesale general commission merchants, Vancouver, B.C., have dissolved, A. J. Hopkins retiring and S. H. Baker continuing; style unchanged.

SALES MADE AND PENDING.

D. McIntosh, general merchant, Dauphin, Man., is offering his business for sale.

A. J. Wilson, wood and coal dealer, Montreal, has been sold out by bailiff.

The stock of Nestor Desilets, general merchant, St. Tite, Que., has been sold.

The assets of Gibeau & Co., general merchants, South Durham, Que., have been sold.

The stock of A. W. Weinrobe, junk dealer, Victoria, is advertised for sale by auction.

The property of J. J. Lamontagne, general merchant, Les Escoumains, Que., is advertised for sale.

The stock of A. H. S. Bessette, general merchant, Magog, Que., has been sold at 65c. on the dollar.

The stock of I. N. Mack & Co., hardware dealers, Liverpool and Mill Village, N.S., is advertised for sale by tender by assignee.

CHANGES.

The Owen Sound Granolithic Co., Ltd., Owen Sound, Ont., has been incorporated.

Edward Lefevre, general merchant, Bothwell, Ont., has been succeeded by George Brien.

The Mitford Emporium Co., general merchants, Mitford, Man., have sold out to Alex. Martin.

W. G. Pennington has bought out the stock of J. M. Menary, general merchant, Cartwright, Man.

Wm. Moffat, general merchant, Kerfoot, Man., has sold out to F. A. Moore, who has opened out at Petrel, Man.

The Cranbrook Trading Co., general merchants, Cranbrook, B.C., have been succeeded by T. A. Creighton.

The style of the Murton Coal Co., Ltd.,

wholesale coal dealers, Hamilton, Ont., has been changed to the Rogers Coal Co., Ltd.

FIRES.

Charles Frank, glue manufacturer, Hamilton, Ont., has suffered loss by fire.

Napoleon Bray, carriagemaker, Coteau Station, Que., has been burned out.

Jacob Harris, dealer in metals, etc., London, Ont., has suffered loss by fire.

Joseph Adams & Co., harnessmakers, Waterville, Que., have been burned out; no insurance.

Montpetit & Co.'s planing mill, etc., Coteau Station, Que., has been burned; partially insured.

The dwelling of Herbert B. Reid, blacksmith, Pugwash, N.S., has been burned. Loss, \$1,000; insurance, \$500.

The dwelling of J. H. Clarke, general merchant, Pugwash, N.S., has been burned; loss estimated at \$800; insurance \$300.

The barking mill of the Maritime Sulphite Fibre Co., Ltd., Chatham, N.B., has been destroyed by fire; loss estimated at \$1,000.

The hotel property and warehouse of W. H. Brown, general merchant, etc., Pugwash, N.S., have been burned; loss estimated at \$8,000; insurance, \$4,000.

DEATHS.

B. Ibbotson, hardware dealer, Toronto, is dead.

Hector McLean, of the International Brick and Tile Mfg. Co., Bridgetown, N.S., is dead.

The Dundas Banner says that town is badly in need of a grist mill.

THE SITUATION IN HEMP.

"Unless hostilities with Spain soon cease, or our authority is formally established in the Philippines, we shall be suffering from a hemp famine which cannot fail to prove embarrassing, especially to New England interests," says The Boston Transcript. "We have large concerns manufacturing rope and cordage here in Massachusetts, to whom the cutting off of their supply of raw material means a great deal, and it is to be hoped that the shortage may not assume such proportions as to cause them serious inconvenience. The world's consumption of hemp is about 20,000 bales a week, and according to statistics compiled to the first of the present month, there is about a three-weeks' supply now in Manila ready for shipment when the ships are free to come and go there. The stocks of hemp at Boston and New York, the two ports at which the material is received here, are quite small, while those in the hands of speculators and importers throughout the country aggregate but a single week's consumption under normal conditions. The position is not, however, quite as bad as would appear from this, as there are now some half-dozen cargoes coming here from the Philippines, having left before the blockade was established and having a total of about 60,000 bales. This supply will, it is hoped, bridge our manufacturers over the time that intervenes between its receipt and the restoration of unrestricted commerce with the base of supplies. The effect of the shortage is seen in the present prices of hemp, which are nearly threefold those quoted six months ago, with the crop, presumably, as large as it was last year."

GILBERTSON'S

"COMET"

BRAND

Patent Flattened Galvanized Steel Sheets

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and **cost less.**

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. **Cost** no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe," "Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . . 22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

WHOLESALE
HARDWARE

37 Front Street West

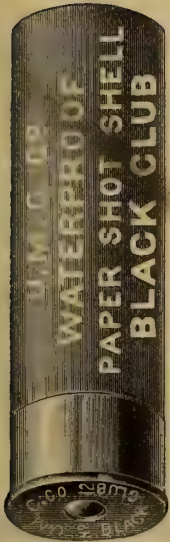
TORONTO

THE AMERICAN POWDER MILLS

CELEBRATED

GUNPOWDER

UNSURPASSED BY SIMILAR GRADES OF
ANY MANUFACTURE.



Cartridge Cases

Ely's, U. M. C.
and Dominion.

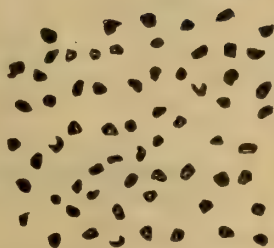
Metallic Cartridges

U. M. C. and Do-
minion.

Fuse

Hemp, Single
and Double.
Tape.

Gun Wads



Dead Shot. FG.



"DEAD SHOT"



Dead Shot. FFG.



Loaded Shells

U. M. C. and Do-
minion.

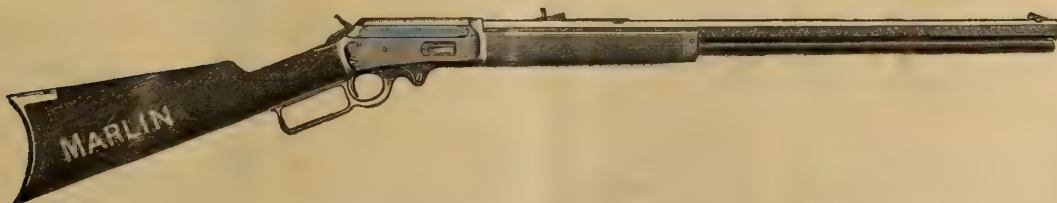
Gun Caps and Primers

Smokeless Powders Schultze

A most remarkably and universally popular Brand for general *FIELD* and *TRAP* shooting. Has for thirty years steadily grown in favor in the United States. *STRONG, UNIFORM*, can be *USED ALL DAY* without cleaning the gun: being a *MOIST BURNING* Powder, it is, for every day use, the sportsman's favorite. *DEAD SHOT* is packed in air-tight metal packages, each containing twenty-five pounds.



"Stevens Favorite Rifles."



Piper's Guns, Winchester and Marlin Rifles.

LARGE ASSORTMENT

GRAHAM Cut and Wire Nails are the Best.

CLOSE PRICES

MANITOBA MARKETS.

WINNIPEG, Aug. 2, 1898.

THE weather continues fine and most suitable for building. The trade in building hardware is very good at present, and will, no doubt, improve steadily as more buildings reach a stage when it can be used.

Binder twine is being shipped in large quantities, but with nothing new to report in prices. The rope market is easier in feeling though another week has passed without change in price.

Window glass is very firm, but the anticipated advance has not yet been made.

Without doubt the greatest movement just now is in implements, more especially mowers and rakes. The fact that hay is reported light and prices likely to be high is making farmers anxious to cut all the hay probable, not only for their own use, but because it will sell at a profit. It is thought possible that the largest area will be cut this season that has been covered for very many years.

A point of interest to the building trade is the advance of \$1.00 per thousand on British Columbia lumber on delivered prices in Manitoba.

The new McIntyre block, which is to replace the one burned last winter, progresses so slowly that those who have taken the stores begin to fear they will not get in by Christmas. On the other side of the street the Bank of Hamilton approaches completion, and when finished will be one of the handsomest in the city. The Imperial Bank block is also undergoing extensive repairs and is a chaos of ladders, pulleys and scaffolding, amid which the business of the bank goes serenely on, the greater part of the building being done at night.

The Western Electrical Company is a new element for public favor, having just opened for business at 210 William Ave. W. T. Stewart, manager of the company, is a practical electrician, and was formerly in Vancouver.

The British Columbia Mills, Timber and Trading Company are putting up a large warehouse here to carry finished lumber.

Price list for the week is given below:

Barb wire, 100 lb.	\$2 15
Plain twist wire and staples.	2 40
Oiled annealed wire.	10 2 80
"	11 2 90
"	12 3 00
"	13 3 15
"	14 3 30
"	15 3 65
Green wire cloth, per 100 feet	1 40
Poultry wire, per 100 feet	55
Wire nails, 30 to 60 dy, keg.	2 35
" 16 and 20	2 40
" 10	2 45
" 8	2 50
" 6	2 55
" 4	2 60
" 3	2 65
Cut nails, 50 and 60 dy.	2 15
" 20 to 40	2 20
" 10 to 16	2 25
" 8	2 30
" 6	2 35
" 4	2 40
" 3	2 65
" 3 fine	2 70
Horse nails, 45 per cent. discount.	
Horse shoes, iron, light, medium and heavy, keg.	4 00
Snow shoes.	4 25
Steel, light.	4 25
" extra light.	5 75

Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	
Tool steel, Black Diamond, 100 lbs.	8 00
Jessop	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 to 24 gauge	4 00
26 gauge	4 25
28 gauge	4 50
Genuine Russian, lb.	12
Imitation	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge	7 50
28 gauge	8 50
Tin plate, 1C charcoal, 20 x 28, box	8 50
" 1X	10 50
" 1XX	12 50
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lbs.	6 00
Broken lots	6 50
Pig lead, 100 lbs.	4 25
Wrought pipe, black, 1/4 inch	2 50
" 3/4 inch	2 75
" 1/2 inch	3 00
" 3/4 inch	4 00
" 1 inch	5 00
" 1 1/4 inch	7 00
" 1 1/2 inch	8 50
" 2 inch	11 50
" Over 2 inch	65 p.c.
Rope, sisal, 7-16 and larger	13 00
" 3/4 and 5-16	12 75
Manilla, 7-16 and larger	13 25
" 3/4	14 50
" 1/4 and 5-16	15 00
Cotton, all sizes, lb.	15
Axes, per box	\$5.50 to 8 00
Screws, flat head, iron	85 p.c.
Round "	77 1/2 p.c.
Flat " brass	80 p.c.
Round "	72 1/2 p.c.
Bolts, carriage	60 p.c.
Machine	60 p.c.
Tire	55 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	50 p.c.
Copper, No. 8, lb.	25c.
Spades and shovels	40 p.c.
Harvest tools	60 to 60-10 p.c.
Axe handles, turned, s. g. hickory, doz.	\$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal.	57
" boiled "	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	25 p.c.
" military	15 p.c.
American R.F.	35 p.c.
C.F. pistol	5 p.c.
C.F. military	Net
Loaded shells, Robin Hood, M	\$18 00
Eley's 12 gauge, M	16 00
American, M	16 20
Shot, Ordinary, per 100 lbs	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed	70 and 30 p.c.
Granite ware, according to quality	50 to 60 p.c.

TRADE CHAT.

The C. P. R. intends building a \$50,000 dock at Brockville, Ont.

The Hudson's Bay Co. intends erecting a large brick building in Nelson, B.C., in which to conduct its business as general merchants, etc.

A Cannington merchant lately left home for a few days on business, and his friends, thinking he had absconded, went to his place of business and stripped it of everything there was in it, but when the man returned he called on them for an explanation, when they appeared sorry for what they had done, but this will hardly clear them in the suit for damages which is likely to follow.

Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

PICTURE CORDS, SHADE CORDS, PICTURE and SHADE HARDWARE, SOLID BRAIDED CORDAGE, BICYCLE DRESS GUARD LACING.

.....Ask your jobber for our goods

THE OSSAWAN MILLS CO.

Norwich, Conn., U. S. A.

Covert Mfg. Co.



West Troy, N.Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring. "The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety, Toilet, Hand, Electric Power ARE THE BEST. Highest Quality Grooming and Sheep-Shearing Machines. WE MAKE THEM. SEND FOR CATALOGUE TO American Shearer Mfg. Co., Nashua, N.H., USA

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.

Agent for: Spear & Jackson, Sheffield, saws, tools, etc. H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co. Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.

Wholesale trade only.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplate, Tinned Sheets, Turne Plates, Canada Plates, Galvanized sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

The Fork Handle Season is now on.



We have a very heavy stock—can ship promptly, and supply the best. Kindly write us for prices and secure samples before booking your orders for Axe Handles for Fall Shipment. We will be in a position to supply thoroughly seasoned goods, and of the finest quality of second growth hickory. We make a specialty of

"Hand Shaved" Octagon Axe Handles (Made by Indians)

being the largest dealers in Canada in this line. Can give exceptional value in this handle for fall business.

Eastern Agent—W. B. Murlack, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.

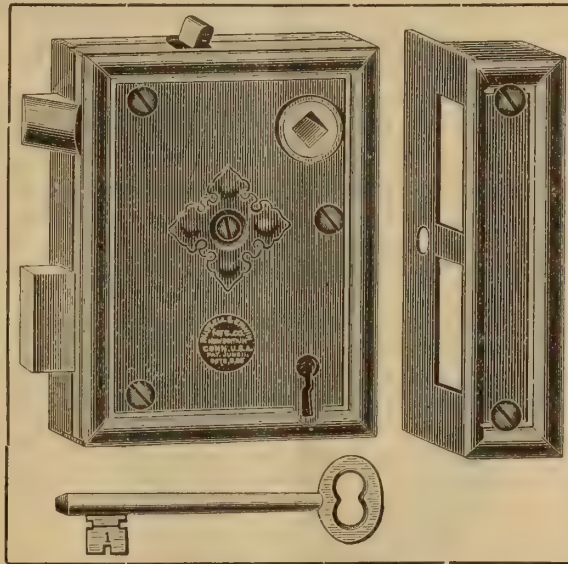
RUSSELL & ERWIN MANUFACTURING COMPANY

Manufacturers
of . . .

HARDWARE

Wrought Steel Door
Locks

Wrought Steel
Mortise
Locks,
Excelling in
Lightness and
Strength
and
Novelty of
Finish.



Rock Steel Rim Lock, Nos. 3800 to 3806.

Wrought Steel Door
Locks

Wrought Steel
Rim Locks,
Excelling in
Lightness and
Strength
and
Novelty of
Finish.

RUSSELL & ERWIN MANUFACTURING COMPANY, New Britain, Conn. New York Philadelphia
Chicago Baltimore London

Henderson & Potts

Nova Scotia Paint and Varnish Works.

. . . Manufacturers of

Lead, Zinc and Colored Paints,
Varnishes, Japan Coach Colors,
Ready Mixed House and Floor
Paints, Wood Stains, Japanese
Enamels, Bicycle Enamels,
Marbleine Wall Tints, Putty, etc.

SOLE AGENTS FOR THE DOMINION FOR

BRANDRAM'S CELEBRATED WHITE LEAD

HALIFAX and 747 Craig Street, MONTREAL.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

THE WAR AND BUSINESS.

THE war has ceased to have any immediate effect on business. Even the stock market, which is usually oversensitive to war news, was scarcely influenced by the peace reports of the last two days. This paper has lately received letters from a large number of interior jobbers whose opinions naturally reflect the business pulse; and with surprising unanimity they say the war had ceased to be a factor before the peace rumors began; a very suggestive indication of the country's strength. The consequences of the war are likely to be more vital to business than the war itself.—N.Y. Journal of Commerce.

U. S. PIG IRON SITUATION.

Rogers, Brown & Co., report as follows on pig iron under date of Cincinnati, July 30: "As the week grew older the market grew stronger. While no large transactions were recorded there has been a good mid-summer business and inquiries have increased. Most of the furnaces north and south are inclined to advance prices, and one important manufacturer, of Alabama, announces advance of 25c. on all grades, effective Aug. 1. The reduction of stocks of 125,000 tons since March has been felt and appreciated. From such analysis as can be made it seems that this reduction is of best or highest qualities or grades. Southern soft grades are in active request, and some prominent producers are so sold ahead they cannot promise early delivery. The market closes firm with strong indications of a hardening of all prices, and the marking up of some."

NEW YORK MARKET.

PIG TIN—Purchases were of very good volume, but not remarkably heavy for this season of the year, and prices were fairly firm. The latter fact may probably be due to the fact that shipments from the Straits were no heavier during the last half of last month than was expected, and that the greater portion is well controlled. Prices were quite steady, however, on the basis of 15.70c. net and 15.75c. free on board, for lots of five tons or more, spot delivery. The shipments from the Straits last month reached a fairly large total, but the movement was quite well discounted, as was also the fact that about 3,750 tons are now on the way to this country. The consumptive demand is very good for this season of the year, and is largely instrumental in holding prices up.

COPPER—A small amount only of new business was reported in any quarter, but the general demand continues only fair and prices are still somewhat ragged, but show-

ing no quotable change. Lake Superior ingot is offered openly at 11 $\frac{3}{4}$ to 11 $\frac{1}{2}$ c., according to quantity and delivery; 11 $\frac{1}{4}$ to 11 $\frac{1}{2}$ c. for electrolytic bars, etc., and 11 $\frac{1}{8}$ to 11 $\frac{1}{2}$ c. for casting stock.

PIG LEAD—The market remains in a quiet and uninteresting condition. Orders for lots of more than two or three carloads are strictly the exception, and prices stand at about 3.90 to 3.95c. for western common.

SPELTER—A very moderate business only is passing at present, but supplies are offered slightly more freely, and prices are rather irregular, with the range of 4.40 to 4.50c. quoted for ordinary domestic, delivered in this locality.

ANTIMONY—The market is slow at 9 to 9 $\frac{1}{2}$ c., but steady.

TIN PLATE—The market remains in a very quiet condition, and prices are without change of importance, but rather weak.

IRON AND STEEL—There were no new developments in the market for either crude or finished products, business having been moderate, as a rule, and prices barely steady.—N.Y. Journal of Commerce, Aug. 3.

U. S. PIG IRON PRODUCTION.

ACCORDING to reliable authorities there is at present an immense production of pig iron being carried on in the United States.

The American Manufacturer estimates that the production for the first half of 1898 has been 5,917,509 tons, while, according to the Iron and Steel Association figures the production for the first half of 1897 was only 4,403,476 tons. A comparison of the two quantities shows a gain of over 34 per cent., the increase being 1,514,033 tons.

According to the same authority the increase for the past six months over the same period in 1897 has been over 62 per cent., the increase being 2,270,618 tons, which is the largest output for a half year in the history of the United States pig iron trade. The American Manufacturer's figures for the first six months of 1898 are:

	Coke.	Charcoal.	Anthracite.	Totals.
January	884,173	22,050	98,345	1,004,568
February	811,856	22,320	108,040	941,716
March	897,206	26,691	118,052	1,041,949
April	863,824	25,041	115,620	1,004,485
May	803,005	27,067	108,894	998,966
June	805,423	23,751	99,651	928,825
Totals ...	5,121,987	146,920	648,602	5,917,509

Commenting on them, it says that from the foregoing it will be seen that the month of the present year showing the largest total pig iron production was March, when the output reached 1,041,949 tons. The last month of the six presented the lowest total. The largest output of coke pig iron was in the month of March; May produced the most charcoal pig, and the maximum output of anthracite pig was reached in March. The total output of bituminous coal and coke pig iron during the last six months was 462,177 tons ahead of the figures for the last half of 1897. Taking the production of charcoal pig iron in the two periods we find a gain of 16,465 tons in the last six months,

while anthracite pig iron shows an increase of 189,662 tons. The total pig iron production of the United States in the first half of 1898 shows the greatest progress in furnace operation ever seen in one year. From all districts there have been reports of record-breaking outputs. It is doubtful whether the last half of the year will see as large a pig iron production as was recorded in the past six months.

PERSONAL MENTION.

Mr. H. Macaulay, proprietor of "The Ark" store, has been in Toronto this week on a purchasing trip.

M. A. D. Kennelly, manager of the McClary Mfg. Co.'s Toronto branch, is taking a well-earned holiday.

Mr. Herbert Robinson, a member of the McClary Mfg. Co.'s staff, leaves this week for a six weeks' trip to Great Britain and the continent.

Mr. G. B. Murphy, hardware merchant, Carberry, Man., was in Toronto this week. He said the crops in his vicinity were excellent, and the prospects for fall trade bright.

Mr. A. E. Kemp, vice-president of the Toronto Board of Trade, will represent that body at the forthcoming meeting of the British Association, to be held in Bristol, England.

Mr. J. S. Bennett, for several years a salesman in Robert Wyatt's retail store, Winnipeg, has been appointed representative for H. S. Howland, Sons & Co. in Manitoba and the Northwest Territories. Mr. Bennett's long experience in the retail business in Winnipeg should stand him in good stead in his new position.

Mr. Geo. S. Dryden, H. S. Howland, Sons & Co.'s representative in the Maritime Provinces, who has been in Toronto for the past ten days, left yesterday (Friday) for his territory. Mr. Dryden is looking for a good fall business. The firm's Ontario staff of travelers, who are now taking their holidays, will be on their respective routes week after next.

Mr. Walter H. Cottingham, managing-director Canadian department of The Sherwin-Williams Company, has been in the United States for the past week on business with the American house. He visited New York, Philadelphia, Cleveland and Chicago, and reports business good, with prospects still better. Speaking of their own company he said they were busier than ever and are making large additions to their already extensive plant.

ROLLING MILLS BURNED.

The extensive rolling mills of Peck, Benny & Co., fronting on Mill street, and abutting on the south side of the Lachine canal, were practically destroyed by fire Wednesday afternoon. The loss will be under \$75,000, fully covered by insurance.

The works will be rebuilt without delay, but in the meantime 450 men, chiefly skilled employes, will be without employment.

On Thursday morning the Canada Paint Company's works on the canal bank in Montreal had a narrow escape from the fire which destroyed the Shearer sawmill.

THE FAIRBANKS COMPANY

Fairbanks Standard Scales
Fairbanks Asbestos Disc Valves
Trucks, Forges, Factory and Mill Supplies.

749 Craig Street

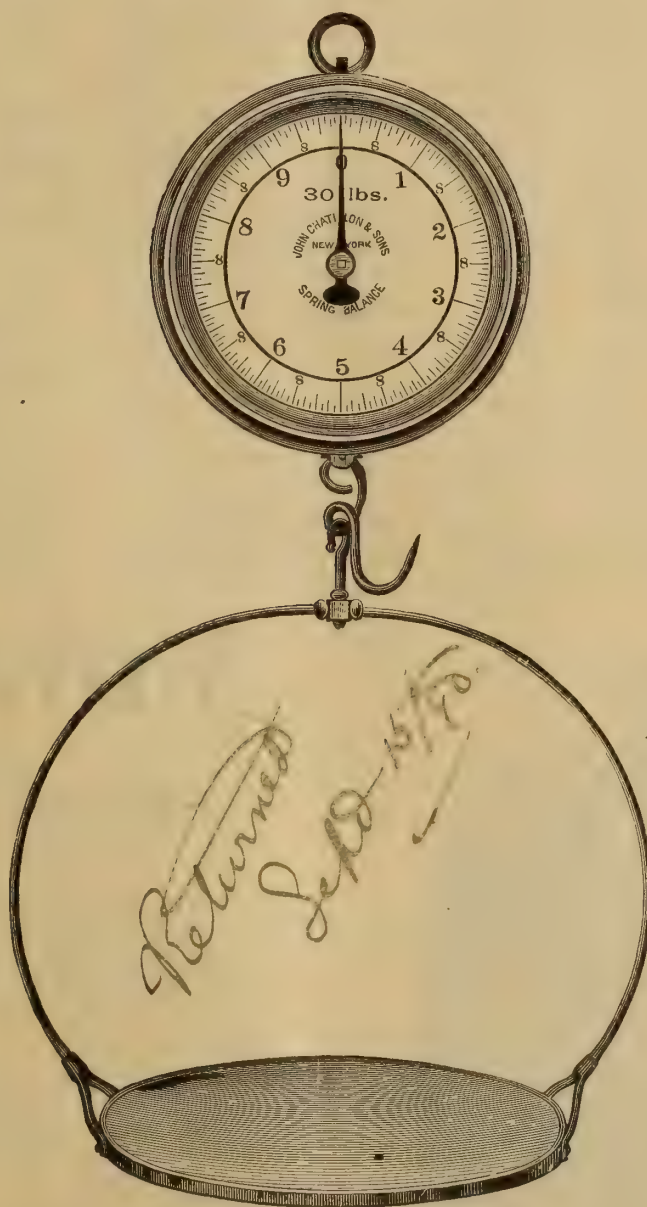
MONTREAL

Manufacturers' Agents for JOHN CHATILLON & SONS, New York



Something
New in
Canada for
the
BUTCHER!

Saves Time
and
Money.



Just admitted
to
Verification
after
severe tests
by
Department
of
Inland Revenue.



Large Dial and Glass Sash.
Nicked Edges and Bows.

Porcelain Enameled Pans.
Capacity, 30 lbs. x 1 oz.

Price, \$10.00

INSPECTION, 50cts.

THE FAIRBANKS COMPANY

749 Craig Street, MONTREAL

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, August 5, 1898.

HARDWARE.

THE volume of trade in general hardware during the past week, while not of great magnitude, was still quite noticeable for the season of the year. Bolts, rivets, screws, horse nails and horseshoes show the most life at present. Cordage is quieter than it was, and the same can be said of cut and wire nails, harvest tools, spades and shovels, etc.

BARB WIRE—Little or nothing doing, with the base price unchanged at \$2 f.o.b. Montreal.

PLAIN WIRE—Quiet and unchanged. Discounts are: Annealed, etc., 40 per cent., and galvanized 35 per cent.

WIRE NAILS—Only a few small lots are moving, and prices vary between \$1.75 and \$1.80 as to quantity.

CUT NAILS—The volume of trade is not heavy, while prices are as last quoted, \$1.75 per keg f.o.b. Montreal, Toronto, Hamilton and London.

HORSE NAILS—There has been a fair

demand for these, while discounts are 50 per cent. on standard brands and 50 and 20 on Acadia.

HORSESHOES—There has been a moderately brisk enquiry for these. We quote as follows: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35.

SCREWS—A fair trade is noted for this season. Discounts are: Flat head bright, 87½ and 10; round head do., 80 and 10; flat head, brass, 82½ and 10; round head brass, 75 and 10. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75 and 10.

BOLTS—Both tire and carriage bolts are well enquired for. Discounts are as follows: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS—A fair movement is noted. Discounts are: Iron, black and tinned, all

sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Business is quiet with an easy feeling, though quotations are not changed. We quote as follows: Sisal, 7-16 and up, 10½c.; ¾, 11c.; 5-16 and ¼, 11½c., and 3-16, 12c.; manilla, 7-16, 12¾c.; ¾, 13¼c.; 5-16 and ¼, 13¾c., and 3-16, 14¼c.

CLOTHES WRINGERS—Business quiet and prices are steady on the basis of \$29.

BELTING—There is a fair trade, while values are the same.

HINGES—Trade continues fair if of small dimensions. We quote: 6 to 12 inch, \$3.50, and 14-inch, \$2.50.

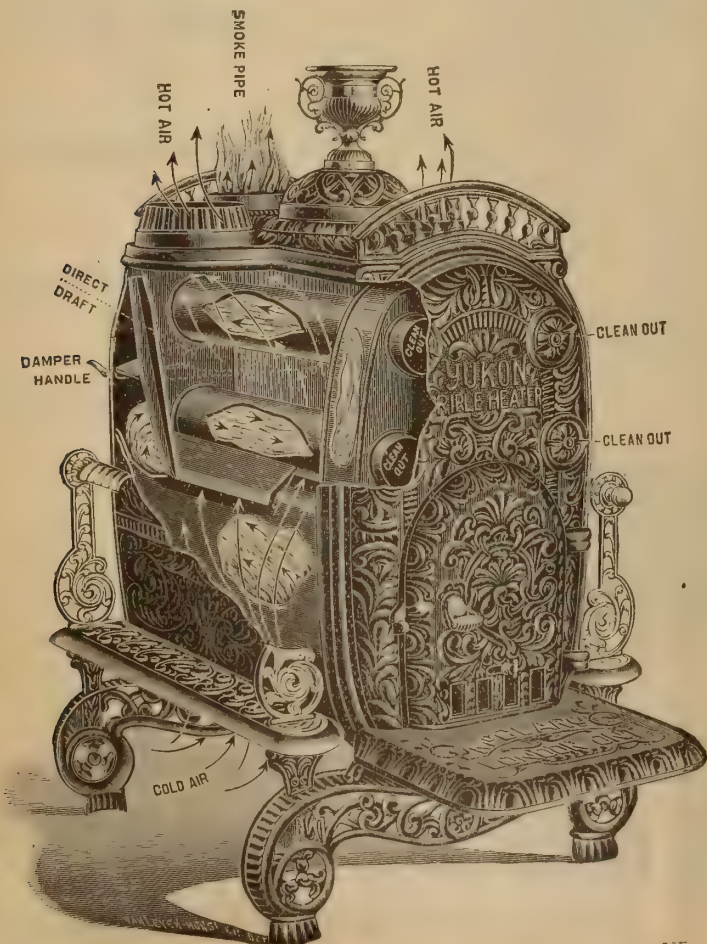
SPADES AND SHOVELS—Trade quiet and discounts unchanged 40 and 10 per cent.

TOOLS—Only a few small lots of harvest tools are asked for in a sorting way.

BUILDING PAPER—Orders are for future delivery and are for good quantities of material.

WARE—Demand for preserving utensils continues.

CEMENT—Trade is active and prices firm.



Yukon Triple Heater

FOR WOOD

HEATS EQUAL TO A SMALL FURNACE

BURNS 30-INCH WOOD

Fire travels three times the length of stove before entering smoke pipe.

The heavy fire linings are made in pieces which can be replaced through front door, and are surrounded by another lining, preventing the slightest smoke escape into hot air pipes.

By operating the damper at back, the fire is made to pass direct into chimney or through the flues on either side, as may be desired. Flues cleaned from front of stove. Hot air pipes on either side of stove; one cannot draw or rob heat from the other. Stove sets on a base the same as a range. Every piece can be easily replaced without sending stove to factory.

We were unable to supply the demand for these stoves last year. To ensure delivery better order early.

If you want your goods quick,
order from McClary.

THE McCLARY MFG. CO.

London, Toronto, Montreal, Winnipeg and Vancouver.



GALVANIZED IRON

(like everything else) wants watching. Builders get what they want; they do not always want what the owner and architect want.

Apollo Iron and Steel Company,
Pittsburgh, Pa.

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

ROLLING MILLS

.. MONTREAL

MERCHANT BAR IRON—

BRAND

Best Refined Bar Iron	AVB
" " Rivet Iron	AVB
" " Horseshoe Iron	
Ex. Best " Bar Iron	AXB
" " Rivet Iron	AXB
" " Stay Bolt Iron	AXB
" " Hammered Iron	AHB
" " Charcoal Iron	ACB

**Tyre, Sleigh Shoe,
Axe and Rivet STEEL.**

CANADA IRON FURNACE CO.,

Manufacturers of Limited.

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

The increase of 25 per cent. in the duty means an additional cost to importers of 10 to 12c. per barrel, for Belgian and German but no change in prices has taken place yet. We quote: English, \$2.25 to \$2.35; German, \$2.30 to \$2.45; Belgian, \$1.80 to \$2, and Canadian \$1.60 to \$1.80.

FIREBRICKS—Fair enquiry, with prices steady at \$16 to \$21 per 1,000, as to brand.

METALS.

Heavy iron and metals show no change, and a fair trade for the season is reported, particularly in pig iron and plate material. Values all round exhibit few changes.

PIG IRON—Trade in pig has continued quiet, the only business of importance being some further contracts in Hamilton iron at \$15.50 to \$16 for No. 1. Some deliveries of United States pig were noted, but they were on account of old contracts. We quote: No. 1 Hamilton, \$15 to \$16; No. 2, \$14.50 to \$15; Ferrona, \$15; Siemens \$15, and Summerlee and equal brands, \$17, ex wharf, and \$18 to \$18.50 ex yard.

BAR IRON—A few car lots at within the range of our quotations are noted. We quote \$1.35 to \$1.40.

HOOPS AND BANDS—Remain much the same as last reported: Hoops, \$1.75, and bands, \$2.

SHEET IRON—There is a fairly good trade in black sheets. We quote as follows: \$2.15 on 10 to 16 gauge; \$2 on 18 to 20 gauge; \$2.10 on 22 to 24 gauge; \$2.20 on 26 gauge, and \$2.25 on 28 gauge.

SHEET STEEL—Some orders are noted, but demand, on the whole, is light. We quote as follows: 12 gauge, \$2.20 per 100 lb.; 16 gauge, \$2.35; 18 to 20, \$2.25 to \$2.35; 22 to 24, \$2.25 to \$2.35; 26, \$2.30 to \$2.40; 28, \$2.40 to \$2.50; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lb.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26, \$3.75.

GALVANIZED IRON—There is a fair enquiry for galvanized iron, and prices are firm. We quote: "Queen's Head," \$4.10 to \$4.15, and "Comet," \$3.75 for No. 28.

INGOT COPPER—Trade quiet and prices firm at 13c.

SHEET COPPER—The same remarks apply, and we quote 14-oz., 16½c., and 16-oz., 15½c.

INGOT TIN—Very firmly held, though quiet, at 17½ to 18c.

PIG LEAD—There are a few lots taken occasionally at \$3.80, but the demand, as a rule, is dull.

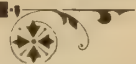
IRON PIPE—A fair trade is noted. We quote: Black pipe, ¼-inch and ¾-inch, \$1.95; ½-inch, \$2.20; ¾-inch, \$2.65; 1-inch, \$3.65; 1¼-inch, \$4.75; 1½-inch, \$6.25, and 2-inch, \$8.25. Galvanized, ½-inch, \$3.85; ¾-inch, \$4.70; 1-inch, \$6.50; 1¼-inch, \$9; 1½-inch, \$11.50, and 2-inch, \$16.

LEAD PIPE—In moderate demand and steady; Composition waste, 7½c., and lead pipe 7c., discount 25 per cent.

CANADA PLATES—There is a good enquiry for these for future delivery. Values are firm: 52's, \$2.15 to \$2.20; 60's, \$2.30, and 75's \$2.40 to \$2.45. Full polished, \$3.

TIN PLATE—There is a quiet demand and values are stiff. We quote as

Steel of all kinds



Sanderson's Cast Steel for Tools, Dies, Drills, Cant Hooks, etc. A good assortment in stock.

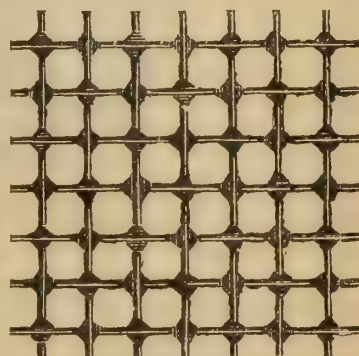
"Gautier" Merchant Steel, Bessemer and Open Hearth, for all purposes. Agricultural steels and finished shapes a specialty.

Sheet Steel, dead flat or ordinary, in all grades.

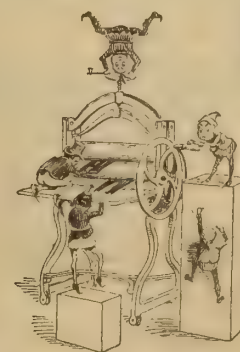
A. C. LESLIE & CO.

Montreal.

WIRE CLOTH.
Sifter Cloth.
Grade Wire Cloth.
Re-galvanized Wire Cloth for Fruit Drying, Cinder Fanning Mill and Hardware.



The B. Greening Wire Co., Limited
MONTREAL AND HAMILTON



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited
Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

follows: Coke, I.C., \$2.90 to \$3.25; charcoal, I.C., Allaway or Comet brands, \$3.25; do, I.X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I.C., \$3.95; do, I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Enquiry fair and prices stiff at \$6 to \$6.25.

TINNED IRON—There has been some demand for broken lots of different ranges. Values are steady.

COIL CHAIN—There is a steady trade doing and values are unchanged. We quote: $\frac{1}{4}$ -inch, \$5; 5-16, \$3.50; $\frac{3}{8}$, \$3.25; 7-16, \$3.15; $\frac{1}{2}$ -inch, \$3, and $\frac{5}{8}$ up, \$2.85.

SHEET ZINC—Demand for cask lots has been noted this week, and we quote $5\frac{3}{4}$ to 6c.

SOLDER—Moving out in a quiet way at 11 to 11 $\frac{1}{2}$ c.

SPELTER—Is firmly held at the advance, Vieille Montague, \$5.50, and American \$5.40.

ANTIMONY—There have been quite a few orders for antimony and in cask lots also. We quote $9\frac{1}{4}$ to $9\frac{1}{2}$ c.

SCRAP IRON—Founders have been buyers of this material during the week at \$12.50 for No. 1 wrought.

GLASS.

There is a good seasonable trade in window glass. Foreign advices have been very firm, and Belgian makers have advanced prices 20 per cent., so that values are firmly held. We quote: First break, \$1.50; second, \$1.60 per 50 feet; first break per 100 feet, \$2.80; second, \$3; third, \$3.30; fourth, \$3.50; fifth, \$3.70; sixth, \$4.25, and seventh, \$4.75.

PAINTS AND OILS.

Sorting business in this department is fairly good for the season so that makers do not complain of dullness. The general manufacturing interests help to maintain a steady demand for paints and varnishes of all kinds. Prices continue firm, especially in zinc paints. Linseed oil is steady, but over competition is felt in ten-barrel lots and over values on such quantities being somewhat unsettled. Turpentine is unchanged.

WHITE LEAD—Best brands, Government standard, \$5.62 $\frac{1}{2}$; No. 1, \$5.25; No. 2, \$4.87 $\frac{1}{2}$; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, $4\frac{1}{2}$ c.; kegs, $4\frac{3}{4}$ c.; No. 1, casks, $4\frac{1}{4}$ c.; kegs, $4\frac{1}{2}$ c.

WHITE ZINC PAINT—Pure, $6\frac{1}{2}$ c.; No. 1, $5\frac{3}{4}$ c.; No. 2, 5c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 49c.; boiled, 52c., five-barrel lots one cent less net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 43c.; large lots, 1c. less, the same terms as linseed oil.

PARIS GREEN—Pure, in barrels, $16\frac{1}{4}$ c.; 250-lb. kegs, $16\frac{1}{2}$ c.; 50 to 100-lb. drums, 17c.; 1-lb. packets, 18c.; 1-lb. tins, $18\frac{1}{2}$ c.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at $8\frac{1}{4}$ to $8\frac{1}{2}$ c.

SEAL OIL—37 to 40c.

COD OIL—Supplies light, and prices firm at 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, $4\frac{1}{2}$ to $5\frac{1}{2}$ c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

The only change is in lambskins, which have advanced 10c. each to 40c. Beef hides are steady, as last quoted: No. 1, 9c.; No. 2, 8c.; and No. 3, 7c.

PETROLEUM.

This market rules strong and active. Prices have advanced 1 to $1\frac{1}{2}$ c. on Canadian and American, and we now quote: Canadian in small lots, 14c.; Crown Acme, 16c.; American prime white, 17c.; water white, 18c.; Pratt's astral, $19\frac{1}{2}$ c.

MONTREAL NOTES.

Lambskins are 10c. higher this week.

Belgian advices state that window glass has been marked up 20 per cent.

Both Canadian and American petroleum have been advanced in price this week 1 to $1\frac{1}{2}$ c.

There is a somewhat unsettled feeling regarding values on linseed oil for ten barrel lots and over.

Arrivals of cement for week ending July 31, were 17,500 German, 2,816 Belgian and only 500 English.

ONTARIO MARKETS.

TORONTO, August 5, 1898.

HARDWARE.

FOR this time of the year a good business is being done, but the wholesale hardware trade is not as good as it was a week ago. This, however, is to be expected, for August is one of the quietest months as far as hardware is concerned. So far business is much ahead of what it was at this time last year, and as the fall trade is expected to be a good one a good year is practically assured. About the only quotable change in price is a decline of 10 to 15c. per 100 lb. in the price of barb wire of Canadian manufacture. Complaints regarding the price of wire nails are still to be heard. Some nice shipments of cutlery and sporting goods are being made to the Northwest. Trade continues steady in bolts and screws, while an active trade is being experienced in rivets and burrs. In such lines as spades and shovels trade continues to drop off. Granite ware and tinware are in good request.

BARB WIRE—Manufacturers of barb wire in Canada have this week reduced the price of barb wire 10 to 15c. per 100 lb. It is for the month of August, after which there may be a change. Four point is now quoted at \$1.85 f.o.b. Toronto and London, and two

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

Portland Cements

Best German, English and Belgian Brands

Calced Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

ONTARIO LEAD AND
WIRE CO'Y, Limited

TORONTO.

Manufacturers of . . .

"Somerville's" Absolutely Pure
and Decorators' Extra

WHITE LEAD

also

"Ontario" Pure, Nos. 1, 2, 3 and 4.

Wire Nails . . .
Barb Wire and Staples
Ross Braid
Ribbon Fencing
Shot, Lead Pipe, and Traps

Importers and dealers in _____

PLUMBING AND
STEAM FITTERS' SUPPLIES

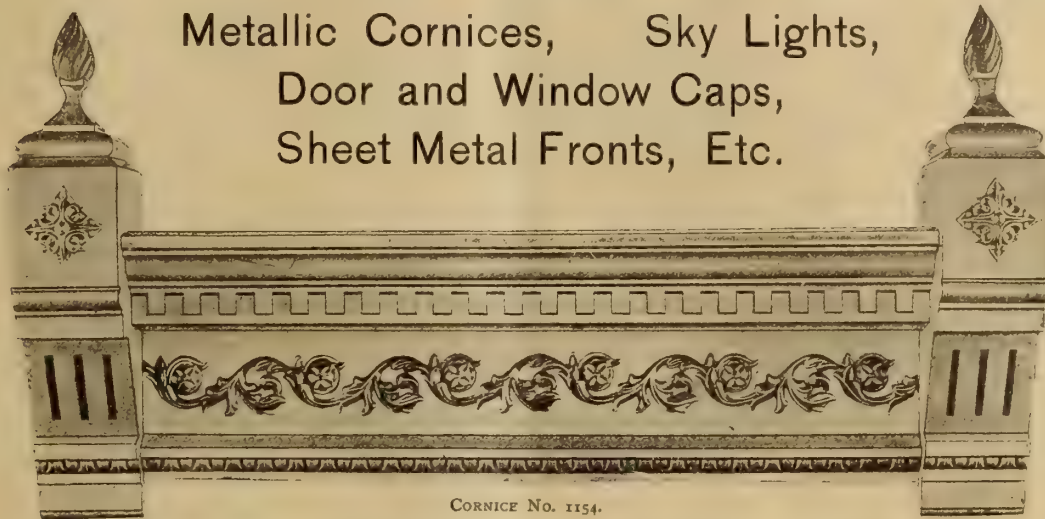
Factory—55, 57 and 59 Richmond St. East.

Office—54 and 56 Lombard Street.

Telephones—763 and 1092.

WRITE FOR OUR PRICES

They're Fireproof, Economical and Easily Applied.



These reliable goods are in popular demand for all kinds of buildings.
We make any shape, pattern or size desired by the trade.
Send for our catalogue for full information. These are paying lines to handle.

METALLIC ROOFING CO., Limited 1179 King St. West, **TORONTO**

John Bowman Hardware and Coal Co.

180 to 182 York St. - LONDON, ONT.

Screen Doors Woven Wire Poultry Netting Fence Wire Paris Green Harvest Tools Builders' Hardware

Full stock of seasonable goods. Prompt shipment. Close prices.

The...
**Dominion
Wire
Manufacturing
Company,
Limited.**

Manufacturers of _____

MONTREAL.



TORONTO.

Iron, Steel,
Brass and
Copper ..

WIRE

WIRE NAILS and WOOD SCREWS
BRIGHT WIRE GOODS
STEEL and BRASS JACK CHAIN
"CRESCENT" COAT and HAT HOOKS

Ask for "Dominion" Goods.

Guaranteed and
SECOND TO NONE.

point at \$1.90. Terms, 30 days or 2 per cent 10 days. The market in the United States is also easier.

ORDINARY FENCE WIRE—Dull. Discounts are: Annealed, oiled and annealed, 35 per cent.; galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 65 per cent.

WIRE NAILS—Orders are numerous, but they are not for large quantities as a rule. The price is still unsatisfactory. The ruling quotation is \$1.80, Toronto, although under special conditions lower figures are obtainable.

CUT NAILS—Only small quantities moving, but prices rule steady. Base price is \$1.75 per keg, Toronto, Montreal, Hamilton, London.

HORSE NAILS—Trade is much about the same as last week, namely, moderate. Discount: Standard, 50 per cent.; Acadia, 50 and 20 per cent.

HORSESHOES—The demand is scarcely as good as it was a week ago. We quote: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—While no large quantities are moving the demand is fair. Discounts are as follows: Flat head bright, 87½ and 10; round head bright, 80 and 10; flat head brass, 82½ and 10; and round head brass, 75 and 10 per cent. Machine screws, iron and brass, flat head, 87½ and 10 per cent.

BOLTS—Trade continues active in carriage, tire and machine bolts. Quotations are: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¾c.; hexagon, 5¼c.

RIVETS AND BURRS—Trade is quite active in copper, coppered and tinned iron. We quote: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—Very little business is being done, although a few good orders were booked for special sizes. We quote as follows: Sisal, 7-16 in. and larger 10½c.; ¾ in., 11c.; ¼ and 5-16 in., 11½c.; Manilla, 7-16 in. and larger, 13c.; ¾ in., 13½c.; ¼ and 5-16 in., 14c.; deep sea line, 13½c.

for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c.

CHURNS—The demand is hardly as good as it was a week ago. We quote discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Not much doing. We quote as follows: "New Leader" "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50.

BELTING—There is a good demand for rubber belting, and leather belting is in fair request. Leather as follows: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

HINGES—There is no particular change to note, trade remaining active. We quote as follows: 6 to 12 inch, inclusive, at \$3.15 per 100 lb., and 14 inch and upwards at \$2.35; light T and strap, 70 and 10 per cent.; screen door hinges, \$6.50 per gross pair.

SPADES AND SHOVELS—Very little doing. Discount, 40 and 10 to 45 and 2½ per cent.

HARVEST TOOLS—There is scarcely anything doing.

BUILDING PAPER—A few orders are being received, but quantities are small, as is usual at this time of the year. We quote as follows: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred.

WARE—The demand continues good for both granite ware and tinware.

CEMENT—Business continues good, with prices steady at former figures. We quote in barrel lots: Canadian Portland, \$2.70 to \$2.90; English do., \$2.85 to \$3; Belgian do., \$2.35 to \$2.50; Canadian hydraulic cements, \$1.10 to \$1.25; calcined plaster, \$1.90 to \$2.

METALS.

Taken all round, trade in metals, for this time of the year, is fair.

PIG IRON—Trade is quiet, with prices nominally unchanged. We quote as follows: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$11.80 per ton; No. 2 ditto, \$11.55; No. 1 Northern American soft, \$11.80; No. 2 ditto, \$11.55. Hamilton iron, No. 1, in 100-ton lots, is quoted at \$14, on track Toronto.

BAR IRON—Business is only moderate. We quote base price \$1.45 to \$1.55 from stock, and \$1.35 to \$1.45 from factory.

HOOP AND BAND IRON—Trade has been a little better than last week, and prices

rule firm. We quote: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—Trade is fully equal to that of last week. We quote: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Trade is being well maintained. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Quite a number of import orders of both English and United States iron that had been booked sometime ago have been delivered the past week. We quote as follows: Queen's Head (case lots), 16 gauge, 3¾c.; 18 to 24, \$3.87½c.; 26, 4¾c.; W. G. 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, \$4; 26 gauge, \$3.75; 22 to 24 gauge, \$3.50. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are ¼c. per lb. higher than figures named.

INGOT COPPER—There have been quite a number of orders but the market is a little easier, although quotations are nominally unchanged.

SHEATHING COPPER, ETC.—Dull and featureless. We quote as follows: Sheathing copper, 15½ to 16½c., according to weight and quantity; braziers', 15½ to 17½c. per lb., according to gauge.

INGOT TIN—No large sales are reported, but orders are numerous for small lots. We quote: Straits, 17½c. per lb.; Lamb and Flag, 18c. per lb.

PIG LEAD—Trade is inclined to be quiet. We still quote 4 to 4¼c. per lb.

IRON PIPE—Quite a lot of pipe is moving in both plain and galvanized. Prices are steady with ¼ to ¾ inch quoted slightly higher. We quote as follows: Black pipe, per 100 feet, ¼ to ¾ inch, \$2 to \$2.05; ½ inch, \$2.15 to \$2.20; ¾ inch, \$2.62½; 1 inch, \$3.60; 1¼ inch, \$4.75; 1½ inch, \$6.20; 2 inch, \$8.30. Galvanized, ½ inch, \$3.50 to \$3.80; ¾ inch, \$4.20 to \$4.60; 1 inch, \$5.85 to \$6.20; 1¼ inch, \$8.05 to \$8.25; 1½ inch, \$11 to \$11.25.

RANGE BOILERS—The improvement noted last week continues. We quote: Galvanized, 30 gals, \$5.25 to \$5.50; 35 gal., \$6.25 to \$6.50; 40 gal., \$7.25 to \$7.50; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES Import orders are still being booked, but shipments from stock are light. The larger portion of the orders booked some time ago have been delivered.

Quotations are as follows: Half-polished, 52-sheet boxes, \$2.35; ditto, 60-sheet boxes, \$2.40; dull, 75-sheet boxes, \$2.50; ditto, "Alaska," \$3.

TIN PLATES—Trade is a little better than it was a week ago, but still it is not yet up to anticipation. We quote: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

TINNED IRON—Business continues fairly satisfactory. We quote: 5½c. in case lots for 22 to 24 gauge, and 2¾c. in lesser quantities; cut to size, 24 gauge, case lots, 4¾c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6¼c. for small lots.

COIL CHAIN—Quite a number of orders, at firm prices, have been received during the past week. We quote: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ⅝ in., \$2.80; ¾ in., \$2.75.

SHEET ZINC—A fair business is being done. Prices remain firm. Cask lots 5¾c. and small quantities 6c. per lb.

SOLDER—Trade is steady. Strictly half-and-half, 12½c.; small lots, 13c.; standard, 11½c. per lb.

ANTIMONY—The improvement noted last week has been maintained. We quote: Cookson's, cask lots, 10½c.; smaller quantities, 11c.; other makes, 8½ to 9c.

ZINC SPELTER—Trade is fairly good, at 5c. for ton lots, and 5¼c. for small quantities.

PAINTS AND OILS.

The summer quietness has now fully set in, and the large jobbing houses are taking a rest after a satisfactory season, and are quietly making preparations for a good fall trade. A decline of 1c. is noted in linseed oil. Turpentine is firm in the south, but unchanged here. Dry white lead is firm in the European markets, and white and red lead are correspondingly firm here. Paris green is now "on the shelf" for another season. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

STANDARD of
AMERICA
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30 Years



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Largest Producers in the World

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\$55.00 \$70.00 \$80.00
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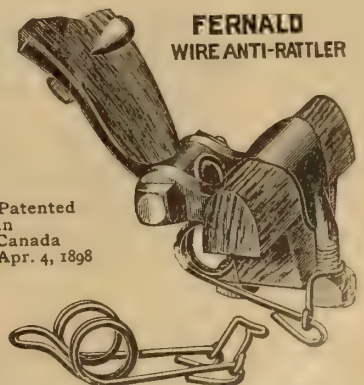
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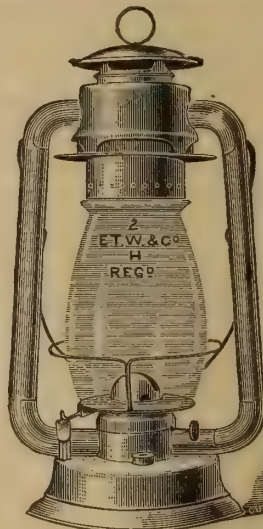
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...TINWARE

**HAMILTON - CANADA.**

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

PARIS GREEN—Kegs, 16½c.; 50 and 100-lb. drums, 17c.; 1-lb. packages, 18c.; 1-lb. tins, 18½c.; cases, ½-lb. boxes, 19½c.

LIQUID PAINTS—Pure, \$1 per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 49c.; boiled, 1 to 4 barrels, 52c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 43c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

There is not much trade reported. Stock orders are few and small, and import glass has all arrived, some of it arriving on Monday this week, one day too late to benefit by the 25 per cent. rebate in the duty during July. We quote as follows: First break in 50-foot boxes, \$1.60, and in 100-

foot boxes, \$3; double diamond, under 25 united inches, \$4.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL.

There is not much business being done. Prices are unchanged, but, under the present conditions, any holder could obtain better figures in almost every line of goods. We quote: Agricultural scrap, 45c. per cwt.; machinery cast, 52½c. per cwt.; stove cast scrap, 30c.; No. 1 wrought scrap, 40 to 50c. per 100 lb.; No. 2, including sheet iron and hoop iron, 10c.; new light scrap copper, 7¼c. per lb.; bottoms, 7c.; heavy copper, 7½ to 8c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2c.; scrap rubber, 3½ to 3¾c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

PETROLEUM.

Demand good. Prices unchanged. We quote at Toronto, as follows: Canadian, 13½c.; Sarnia water white, 15c.; American water white, 16½c.; Pratt's astral, 16c., in bulk.

COAL.

There is not much doing. Prices continue easy at old figures. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

MARKET NOTES.

Linseed oil is quoted 1c. per gallon lower. Black iron pipe, ¼ to ¾ inch, is dearer.

Barb wire of Canadian manufacture is 10 to 15c. per 100 lb. lower.

H. S. Howland, Sons & Co. are carrying both English (Queen's Head) and United States galvanized iron in stock.

W. C. Crawford, of Tilbury, Ont., has two tons of the Consumers Cordage Co's. pure Manilla binder twine (650 feet to the lb.), which he will sell at a low price.

HEAVY CROPS NEAR PARK HILL.

Mr. Arthur W. Humphries, one of Park Hill's hardware merchants, was in Toronto a few days ago en route home from a trip down the St. Lawrence to Quebec.

Mr. Humphries, who always looks well, we are pleased to observe, now looks even better than usual, thanks to his outing. Regarding the outlook for trade, his hopes are of the brightest. Crops in the vicinity of Park Hill are excellent. "Why," said he, "I have in my mind one farmer who has just taken 900 bushels of wheat off 30 acres, and he sold it, as it came off the machine, at 70c. per bushel. And we have lots of crops like that. The hay crop is excellent and the oat crop heavy. The farmers bought their usual quantity of binder twine this year, but the crops are heavier than expected, and this will cause a scarcity of twine. Binder twine has been sold at 15c. per lb. in our part of the country.

It is reported that Lord Douglas, of Hawick, intends working the old Bruce copper mines on the north shore of Lake Huron. He has an option on them.

GREENING'S

IMPROVED CATTLE CHAINS

Strongest and Best
on the market.

Have stood the test
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Open Ring. Made in Six Sizes.

Small Close Ring. Large Close Ring. Made in Six Sizes.



Walton or Three Chain. Made in Six Sizes.

THE STRENGTH of a Tie is that of its weakest part. Ours are of uniform strength throughout. It will pay to handle only the best.

Our Ties are numbered from 1 to 5/0, and may be described as follows: No. 1, Calf Tie; No. 0, Light Cow Tie; No. 2/0, Cow Tie; No. 3/0, Stock Cattle Tie; No. 4/0, Light Bull Tie; No. 5/0, Extra Heavy Bull Tie.

A complete line of all sizes ready for shipment.
Manufactured under Patent No. 50925.

FOR SALE BY ALL JOBBERS.

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HAMILTON AND MONTREAL.

Patent Stall
Fixture.

We make a special Tie, in five sizes,
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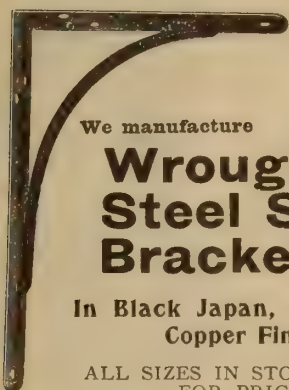
suitable for all purposes.



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- B For medium pressure and high speed.
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In Black Japan, Nickel and Copper Finish.

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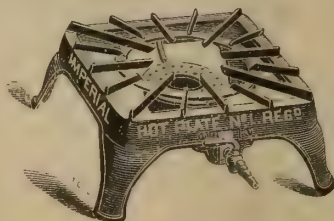
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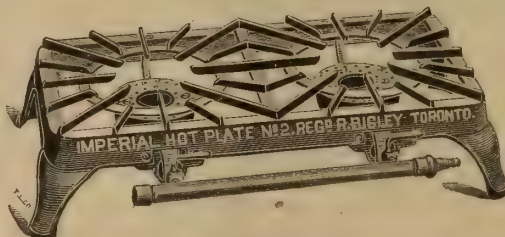
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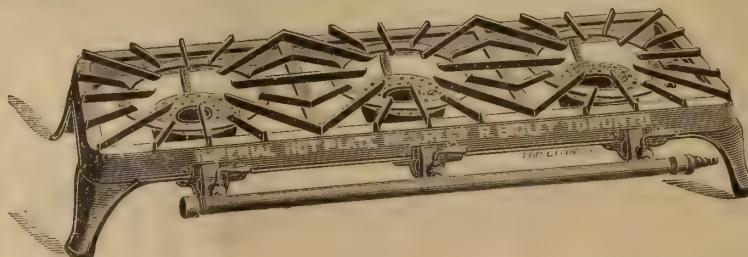
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Is made by a New Process, and is highly spoken of by Sportsmen and Sporting Papers. Kills at greater distance than Soft Shot. Gunmakers wishing repeat orders should load with this shot.

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Manufacturers of

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TIRE UPSETTERS
WILL UPSET TIRES**

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

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Manufacturers of

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Quotations gladly given.

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Where accurate weighing is required use

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FULL LINE OF

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DAIRY SCALES, COUNTER SCALES

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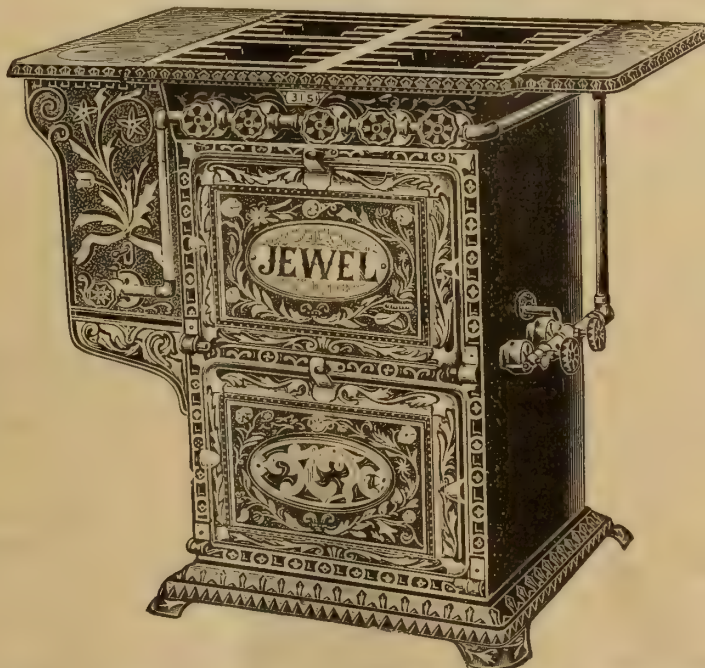
THE GURNEY SCALE CO., - Hamilton, Ont.

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Agent for Montreal and Eastern Provinces.

Jewel Gas Ranges

Improved Slotted Burners with Removable Thimble Cap.



Well known as the most perfectly fitted, most efficient, and successful and most economical.

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STYLES.

Roasting and Baking Ovens—with or without Extension for heating

**Hot Water
Boiler.**

Manufactured by

The Burrow, Stewart & Milne Co., (Limited) Hamilton, Ont.

HEATING AND PLUMBING

PLUMBING AND HEATING NOTES.

THE town council of Prescott, Ont., has decided to submit a by-law to raise \$100,000 by debentures for the construction of a waterworks and sewerage system in the town.

Trenton, Ont., is to have an up-to-date waterworks system, which will cost in the neighborhood of \$18,000. In consideration of 15 hydrants to be placed in the business portion of the town, the council agrees to pay \$600 per annum.

The Orangemen of Rat Portage, Ont., intend erecting a building 120 x 50 feet, and two storeys high. Two small stores will be in the front of the ground floor, and a music hall at the back. The first floor will be used as lodge rooms, etc.

Building operations are quite brisk in town just now. Councillor Powell is building a residence on Quebec avenue; Mr. Wm. White is building a residence on Maria street; Mr. Ephraim Knight is building a house on McMurray avenue; Mr. P. Phillips is building a house Law street; Mr. Enoch Ward is building a house on St. Clair avenue; Mr. Geo. Welsman is building an addition to his house on Annette street west.—Toronto Junction Leader.

The value of building permits issued in Hamilton during July was \$34,965, against \$34,283 in the same month in 1897, an increase of \$682.

Reilly & Dow have opened out in business as plumbers, in Halifax.

The firm of Knowdell, Hodgson & Brown, plumbers, of 729 Pender street, Vancouver, B.C., have dissolved partnership by mutual consent, Mr. Brown retiring. The business will, in future, be conducted under the firm name of Knowdell & Hodgson.

J. Burns & Co., Craig street, Montreal, have made some large sales lately of their ranges, some of which have been mentioned from time to time in *HARDWARE AND METAL*. Last week they sold another 9-foot range to the sisters of the Congregation of Notre Dame, at New Brunswick.

Permits have been issued in Toronto to Geo. Dickson, for a two-storey and attic residence on the south-east corner of Bloor street and Spadina avenue, to cost \$2,500; to Clarkson Jones, for a two-storey brick addition to the house on the south-east corner of St. Albans and Queen's Park, to cost \$1,100; to the Warren-Scharf Asphalt Paving Co., for a two-storey factory on

Eastern avenue, near Cypress street, to cost \$800; to Dr. A. R. Gordon, for a two-storey and attic residence at the south-east corner of Huron and Bloor streets, to cost \$6,000.

THE ANCIENTS AND BATHING.

Baths, ever since Pompeians indulged in the luxury, have been considered powerful agents for the acquisition of health, and are often recommended as preventives of illness, says an exchange. It was on this account that so many mineral springs were consecrated to Hercules—the god of strength—by ancient Pagans, who were not so mythologically mad as we may think.

In ancient Rome, the public bath was a place of amusement, to which the people went as we now go to a public walk. Some people even made it their continual pastime. They bathed at night and they bathed in the morning. They bathed after their gymnastic exercises, and they bathed before their chief meal. They also bathed before undertaking any business of great importance. In this they imitated the ancient Greeks, who also bathed before beginning any enterprise requiring energy and coolness.

The frequent use of the bath in ancient times was even more necessary than it is to-day, for underlinen was unknown, and the long, full folds of the toga gave easy access to dust.

Besides public baths, every Roman woman had also her private bath at home. We read of baths of silver large enough to allow the bather to swim in; of ceilings and cornices of bathrooms adorned with rich mosaics: of walls incrustured with marqueterie, and jeweled with Thasos stones so rare that even temples could not always be decorated with them. The most exquisite perfumes were added to the water of the

bath, only the poorest people being content to use jasmine or bran.

THE SOLDER ENIGMA.

The story is current that the late examining board of plumbers "put back" an applicant because he could not tell what solder was made of. In these days a man might be a pretty fair joint wiper and not know what solder is made of. In the good old days we all made our own solder out of sheet lead and block tin, but, with the advent of the sharper in the business, the Lord only knows what some of it is made of now. Said a good wiper recently, "I believe if I got some real solder sent me that I couldn't use it because I've been wiping with combination stuff so long that I'd rather have it than pure stuff. It nearly set me crazy when I first began, but I didn't want to kick and bother the boss, so I just kept right at it until I succeeded in mastering the difficulty.—Plumbers' Trade Journal.

PROSPEROUS JOURNEYMEN.

The journeymen plumbers of Montreal have been successfully adding to their numbers. They are now affiliated with the international headquarters at Chicago and expect their charter this week. They are now in good standing, having 125 members in Montreal. They have secured Maple Hall, at 223 McGill street, which has been newly decorated and tinted, and has a reading-room and telephone in connection. The meeting nights are the first and third Fridays in every month.

BUILDING PERMITS IN TORONTO.

During the month of July permits were issued in Toronto for the erection of buildings to the value of \$123,151 making the total for the first seven months of 1898 \$1,062,481, as compared with \$103,295 during July and \$750,063 during the first seven months of 1897.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

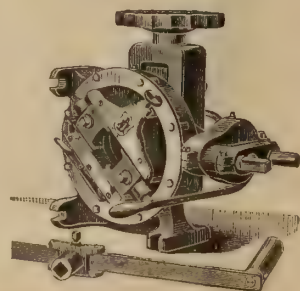
Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.

THE ARMSTRONG MFG. CO.

New York Office:
139 Centre Street

Bridgeport, Conn.



New No. 0 Threading Machine.

AN ANNOUNCEMENT!

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

Enameline THE MODERN STOVE POLISH

PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

THE ...
UNRIVALLED



Brilliant St. Antoine

METAL
POLISH.

New Belgian Process for cleaning and polishing all kinds of Metal with the LEAST POSSIBLE LABOR.

This is the best article for cleaning Wood, Paint, Brass or any other household article.

SEND FOR QUOTATIONS.

Also manufacturers of Ink, Mucilage and the famous St. Antoine Cement for glassware, etc.

THE VICTORIA CHEMICAL WORKS CO.
MONTREAL

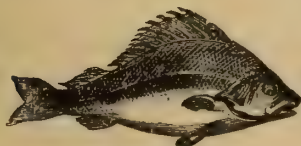
BUSINESS FOR SALE.

BUSINESS OPENING IN B.C. AN OLD ESTABLISHED Hardware, Plumbing, and Tinning Business for sale, in one of the best growing towns in the West. Electric light and waterworks. Good, clean stock. Address, BUSINESS, care HARDWARE AND METAL. (34)

If you are thinking of enlarging your mill, foundry or machine shop, or of purchasing machinery of any kind, send us a line giving character of machinery needed.

We can put you in communication with manufacturers from whom you can buy advantageously.

Fishing Tackle.



ALLCOCK'S STAG BRAND



TRADE MARK

The Allcock, Laight & Westwood Co., Limited
73 Bay Street, TORONTO, and
REDDITCH, ENGLAND.

Sole wholesale selling agents for THE DOMINION
HAMMOCK MANUFACTURING CO., Paris, Ont.



The "SAFETY" ACETYLENE GAS MACHINE

The most simple and the safest machine made.

It does what other machines cannot do. It generates Gas Cool. It washes and purifies the Gas twice. Automatically removes the Ash from the Carbide. Leaves the Ash perfectly dry and thoroughly exhausted.

Every Machine Guaranteed.

Manufactured by.....

THE SAFETY LIGHT & HEAT CO.

DUNDAS, ONT.

Proprietors and Sole Manufacturers for the Dominion of the celebrated CLIFF-WARDLAW GENERATORS.

That Bridled Brush—Again.

Painters who use Boeckh's Patent Bridled Brush are enthusiastic over the time, labor and money it saves them, but all painters haven't seen it yet; some say, "That Bridled Brush Again"—we don't want you to forget it, you see.

You further your own interest every time you show it to a painter—there's a good profit in handling it. Fall trade will open quickly—boom it with the Bridled Brush that

- comes off and is replaced in a second
- gives each bristle full flexible power
- spreads the paint evenly
- keeps Flat Brushes flat all the time.

Boeckh Bros. & Company, Mfrs.
Toronto, Ont.

Montreal Branch, 1 and 3 DeBresoles St.

Agencies at Winnipeg Vancouver, Halifax, Glasgow.

DOES THIS INTEREST YOU ?

FOR the benefit of those who are unfamiliar with the present working of the National Association of Master Plumbers, Gas, Steam and Hot Water Fitters of Canada, it will be of interest to state something regarding its history of late.

About two years ago the men who wisely directed the affairs of the association saw that the best way to secure the objects sought for was to declare in forcible terms for "trade protection" in everything the name implies, in order to place the association on a sound basis.

The outcome of this was the promulgating of "trade resolutions", adopted by the national committee in 1896. Since that time there has been an onward and upward march, which is indeed encouraging to the men who have labored to bring this about.

Trade protection is the thing that puts energy and fire in a master plumber, helping him to stand up and battle for his rights, and whenever it has been necessary to appeal to the manufacturers' and dealers' sense of fairness by forming a united front, the responses are becoming more satisfactory.

There are many master plumbers in this country who ought to be in the national association, and the time is now ripe for them to declare that they will show their appreciation of the work so nobly done for them by their unselfish brother master plumbers, and become members.

It is a cause for surprise that many men overlook the immense advantage of being identified with the association, and it seems marvelous that they should not consider it a great compliment to be openly invited to become members of an institution that exists solely for the uplifting and benefiting of the craft.

The manufacturers and dealers who have signed trade resolutions have directly and indirectly felt the benefits accruing to them, so that they have the best concerns of the country with them. Master plumbers should not be blind. They should look after their own interests, and come into the association, no matter whether they do a small or a large yearly business.—H. J. B.

PLUMBING AND HEATING CONTRACTS.

Mashinter & Co., Toronto, have the contract for remodeling the plumbing in a residence at 25 Wilton Crescent, for the Ontario Mutual Life Assurance Co., Limited, Toronto.

The John Ritchie Plumbing and Heating Co., Limited, Toronto, have secured the contracts for the steam-heating of the Canadian Oiled Clothing Co., Limited, on

King street west ; for the plumbing and gas-fitting of a residence on Robert street, for Mrs. J. G. Sheers, and for remodeling the plumbing in the Educational Department of the Normal School, Toronto.

Fiddes & Hogarth, Toronto, have the contract for the plumbing of a residence on Farley Avenue, and for a factory on the Esplanade, Toronto.

Guest & Co., Toronto, are building a hydraulic organ-motor for James A. Kane, Quebec, who has the contract for placing it in Chalmers Church Quebec.

D. Ouimet, Montreal, has secured the contract of the heating and plumbing for Mr. Cote's residence, 140 Champlain street.

Lessard & Harris, Montreal, have secured the contract for plumbing at the city hall, according to improvements recently passed on by the council ; also the plumbing and heating (low pressure steam system) of the Great North-Western building.

Mr. Lamarche, Montreal, has the contract for the plumbing and heating of the new drill hall at Halifax.

Lesperance & Therault, Montreal, have the contract for plumbing and heating the convent of the Sisters of Providence at Yama-chiche.

J. W. Hughes, Montreal, has the contract for plumbing and heating Her Majesty's theatre, Guy street, now under course of construction ; also the heating contract for the building on No. 1,315 Hospital street.

HOW TO CONSTRUCT A CESSPOOL.

A SUBSCRIBER writes: "Knowing the active interest you take in all plumbing and sanitary affairs, we take the liberty of asking if you can give us any information about the construction of cesspools for closets, to be used where there are no sewers."

Answer.—The cesspool should be built as near 100 feet from the house as possible. It should be on the lower side of the house, i.e., the side on which the land surface is the lowest. The level of the floor of the cellar should be found, and the cesspool built 10 feet below that level, 6 feet wide being a satisfactory diameter. It should be built without any artificial bottom. Run drain from closet to cesspool, putting on a trap close to the latter, with a fresh air inlet pipe on the inside of the trap, which should stand about 3 feet above the ground, and should be finished with a cap.

To ventilate the cesspool, run a 4-inch pipe from the outside to admit air to the cesspool. Another 4-inch pipe should be run from the cesspool to the house, where it should run up the outer wall at least 6 feet above any opening in the wall or roof of the

house. This pipe will serve to draw the air from the cesspool.

It is important that the closet should also have a ventilating pipe run from it to about 6 feet above the crop.

WIRE NETTING MEASURING DEVICE

Brass yard-measures let into the edge of a counter, for measuring lamp-cotton, chain, etc., are common enough, but adaptations of the principle for marking off lengths of wire netting, garden hose, etc., are sufficiently novel to be worth noting when met with, writes "Vulcan," in Ironmonger. Such an instance came under my observation recently in the warehouse of an ironmonger who had turned to good account a long, straight length of flooring by letting into the boards brass figures, from 1 to 36, at intervals of 1 foot. The plan has proved so convenient that in the shop in question the floor measure, I am told, is requisitioned quite as often as the one on the counter.

STOREKEEPING IN DAWSON CITY.

A Dawson City correspondent, of Bradstreet's, writes: "People are in business here for a month or two and away. At present there are hundreds of stores, but only a few that have been here any length of time. Many came here intending to go into business, but as it costs from \$700 to \$1,000 per month for a one-storey, 25-foot front store, most of them are frozen out and conduct their business from their scows on the river bank. As the main street runs along the river bank, scows form part of the business shops of the town, and for a distance of from one and one-half to two miles scows and boats line the bank, in some places two and three deep. Until later on in the summer, and when more buildings are erected, it is impossible to say who of these may be considered the permanent traders here."

PATENT REPORT.

Below will be found the only complete report of patents granted last week by the United States Government to Canadian inventors. This report is prepared specially for this paper by Marion & Marion, Solicitors of Patents and Experts, New York Life Building, Montreal. No. 607,832, Joseph Choquette & al, St. Hyacinthe, Quebec, Fibre treating machine ; 608,107, Joseph H. Coleman, Tottenham, Quebec, fare box ; 607,984, Gerald J. Cream, Montreal, magnetic ore separator ; 607,924, Edwin T. Freeman, Halifax, nailing machine ; 608,056, Hermenegilde Loiselle, Winnipeg, car coupling ; 608,006, Charles F. Pym, Windsor, last ; 608,014, David M. Thom, Watford, combined feed-cutter and blower ; 607,864, Fred Lacey, Valleyfield, stop motion for spinning machines.

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

— MONTREAL, QUE.

Central Fire Cartridges, pistol sizes, Dom.
30 per cent.
Central Fire Cartridges, Sporting and Mili-
tary, Dom. 15 and 5 per cent.
Central Fire, Military and Sporting, Amer.
net list. B.B. Caps, discount 45 per cent.
Amer.
Loaded and empty Shells, "Trap" and
"Dominion" grades, 25 per cent. Rival
and Nitro, 17 p.c.

Shot.
Canadian, common, 7½ per cent.
Brass Shot Shells, 55 and 10 per cent
Imers, Dom., 30 per cent.
Wads.—Baldwin

Best thick white felt wadding, in ½-lb
bags, 1 00
Best thick brown or grey felt wads, in
½ lb. bags, 0 70
Best thick white card wads, in boxes
of 500 each, 12 and smaller gauges
Best thick white card wads, in boxes
of 500 each, 10 gauge, 0 35
Best thick white card wads, in boxes
of 500 each, 8 gauge, 0 55
Thin card wads, in boxes of 1,000
each, 12 and smaller gauges, 0 20
Thin card wads, in boxes of 1,000
each, 10 gauge, 0 25
Thin card wads in boxes of 1,000
each 8 gauge 1 10
Chemically prepared black edge grey
cloth wads, in boxes of 250 each—
11 and smaller gauge 0 60
9 and 10 gauges 0 70
7 and 8 gauges 0 90
5 and 6 gauges 1 10
Superior chemically prepared pink
edge, best white cloth wads, in
boxes of 250 each—
11 and smaller gauge 1 15
9 and 10 gauges 1 65
7 and 8 gauges 1 85
5 and 6 gauges 1 90

Anvils.
Per lb. 0 10 0 12½
Anvil and Vice combined,
each, 4 50
Wilkinson & Co.'s Anvils, lb. .09 0 09½
Wilkinson & Co.'s Vices, lb. .09½ 0 10

Augers.
Gilmour's, discount 65 p.c. off revised list.
Hollow Stearn's, per dozen .. 13 00 20 00
Adjustable Stearn's, each .. 4 50 6 50
Post-hole, Vaughan's, each .. 60 90
Excelsior, Jennings', discount 50 per cent.

Awls.
Sewing, per gross 0 65 1 59
Pegging, " 0 65 1 25
Brad, " 0 85 1 60
" handled, per gross 3 60 30
Saddler's, per gross 0 45 1 60

Awl Hafts.
Patent Peg, per gross, 7 25 8 00
" Sewing, per gross,

Awl and Tool Sets.
Miller's Falls, per doz. 2 80 3 30

AXES.
Splitting Axes, 5 25 5 50
Chopping Axes—
Single List, per doz. 6 00 12 00
Double List, " 11 00 18 00
Bench Axes, 40 and 10 p.c.

Axle Grease.
Per gross 6 00 13 00

Bath Tubs.
Zinc, discount, 3 90 4 00
Copper, discount, 40 and 10 p.c. off revised list.
Steel clad, 20 per cent. discount off revised
list

Bells.
Boxing extra
Hand.
Brass, 60 per cent.
Nickel, 55 per cent.

Door.
Gongs Sargent's 5 50 8 00
" Peterboro', discount 50 per cent.

Farm.
American make, discount 66½ per cent.
Canadian, discount 45 and 50 per cent.

House.
American, each 1 25 3 00
American, per 0 35 0 40

Bellows.
Hand, per doz. 3 35 4 75
Moulders', per doz. 7 50 10 00
Blacksmiths', discount 60 per cent.

Belting.
tra, 45 per cent.
Standard, 45 and 10 per cent.
Agricultural, 65 and 5 p.c.

Bench Stops.
Per doz 5 00 6 00

Bits.
Auger.
Gilmour's, discount 65 and 5 per cent.
Excelsior, discount 60 per cent.
Rockford Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list to 5 p.c. discount.

Car.
Gilmour's, 47½ to 50 per cent.
Expansive.
Clark's 40 per cent.
Excelsior, 10 per cent.

Gimlet.
Clark's, per doz 0 65 0 90
Diamond, Shell, per doz. 1 00 1 50
Nail and Spike per gross 2 25 5 20

Blind Rollers.

Annex, per doz 1 25 1 75
Mascott, " 1 35 1 85
Erminie, " 1 00 0 00

Blind and Bed Staples.

All sizes, per lb 7¼ 0 12

Bolts.

Carriage, dis., 60 and 10 to 70 p.c.
Tire, dis., 70 and 5 per cent.
Stove dis., 70 per cent.
Elevator, dis., 35 to 40 per cent
Machine, dis., 70 p.c.
Coach Screws, dis. 70 and 10 p.c.
Plough bolts, 60 p.c

Boring Machines.

Complete, with augers, each.. 5 00 7 50

Braces.

Barber's 6 00 7 75
Barber's Ratchet 10 00 11 00
Farmers 2 00 2 75
Miller's Falls 15 50 29 00

Brackets.**Shelf.**

Japanned Canadian, per doz.
pairs 0 50 3 40
Berlin Bronze Canadian 0 85 3 20

Broilers.

Light, dis. 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.
Henis, No. 8, " 6 00
Henis, No. 9, " 7 00
Queen City " 7 50 0 00

Butchers' Cleavers.

German, per doz. 6 00 11 00
American, per doz. 12 00 20 00

Butts.**Brass.**

Wrought Brass, dis., 17½ p.c. revised list.
Cast Iron.
Loose Pin, dis. 70 per cent.

Wrought Steel.

Fast Joint, dis. 70, 10 and 5 to 75 p.c.
Loose Pins, dis. 70, 10 and 5 to 75 p.c.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair 0 40 0 65

Can Openers.

Acme, per gross 9 00 10 00
Sardine Scissors, per doz 3 75 4 50

Card.

Horse, per doz. 0 60 1 00

Carpet Stretchers.

American, per doz 1 00 1 50
Bullards, per doz 6 50

Carpet Sweepers.

Bissell, per doz 22 50
World, " 21 75
Daisy, " 24 00
Star " 18 00
Crown Jewel, per doz. 29 00
Grand Rapids, " 24 00 33 00

Cartridges.

(See Ammunition.)

Castors.

Bed new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos 31 and 32, per gross 8 50 9 50

Cement.

Canadian, Portland 2 50
English " 2 85
Belgium " 2 75
Canadian hydraulic 1 20
Figures are for barrel lots.

Chalk.

Carpenters Colored, per
gross 0 45 0 75
White lump, per cwt 0 60 0 65
Red 0 05 0 06
Crayon, per gross 0 14 0 18

Chisels.

Socket, Framing and Firmer.

American, dis. 75 per cent.
Canadian, dis. 40 and 5 per cent.
Tanged firmer, per doz 0 85 4 00

Churns.

Daisy or Leader, dis. from stock or factory
60, 10 and 5 per cent.
Steel, net 3 00

Clamps.

Judds', dis. 20 per cent.
Stearn's, per doz 3 00 10 00

Clips.

Axle, dis. 65 per cent.

Closets.

Washout, plain 3 25
" embossed 3 50

Coffee Mills.

Box 3 60 13 00
Side 3 60 4 00
Enterprise, No. 0 1 35
" No. 2 70

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent

Cradles, Grain.

Canadian, dis. 20 per cent.

Dies.

Hart Mfg. Co. (pipe es), (Amer. list), dis.
40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25
per cent.

Door Springs.

Torrey's Rod, per doz. (15 p.c. 2 00
Coil, per doz 0 88 1 60
English per doz. 2 00 4 00

Draw Knives.

American, dis. 70 and 10 per cent.
Canadian, dis. 25, 50 and 10 per cent.

Drills.

Hand and Breast
Miller Falls, per doz. 16 00 51 50
P. S. & W., dis. 40 per cent.

DRILL BIT.

Norse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.
Per doz 85 1 70

FAWCETS.

Cork Lined, per doz. 0 30 0 35
Wine, per doz. 1 30 3 25
Star, " 2 80 3 90
Fenn's Corkstops, No. 2, per
dozen 1 70
Petroleum, per doz. 4 50 6 50

FILES AND RASPS.

Globe File Mfg. Co.'s dis., files and rasps, 60
and 10 to 70 per cent.
Toronto File Co.'s dis., files and rasps, 60 and
10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60,
10, 10.
Nicholson File Co., 50 and 10 to 60 per cent.
Heller's Horse Rasps, 50 to 50 and 5 per cent.
Jowitt's, English list, 25 to 27½ per cent.
American, 60 to 60 and 5 per cent.
Great Western, 60 and 10 per cent.
Mechanics' Star & File Mfg. Co. Discount,
60 and 10 to 70 per cent.

FLUTING MACHINES.

Each 0 60 2 00

FORKS.

Hay, manure, etc., dis., 60 and 10 to 60, 10
and 5 p.c. revised list.

FREEZERS.

Ice Cream.
Gem from \$1.25 to \$7 net.
White Mountain, 1 to 25 qt. 1 35 13 50
Arctic, dis. 50 p.c.

FRUIT PRESSES.

Henis, per doz. 3 25 3 50
Shepard's Queen City, dis. 15 per cent.

FRY PANS.

Acme, dis. 65 to 67½ per cent.

GAUGES.

Marking, Mortise, Etc.

Stanley's, dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each 1 65 2 40

GLASS.**Window.****Box Price.**

	Star.	Double Diamond.
	Per 50 ft.	Per 100 ft.
Under 25 Inches.	1 60	3 00
26 to 40	1 75	3 30
41 to 50	3 70	4 85
51 to 60	4 00	5 50
61 to 70	4 30	6 25
71 to 80	4 70	7 85
81 to 85	5 25	8 85
86 to 90	10 30	10 30
91 to 95	11 70	11 70
96 to 100	13 75	13 75
101 to 105	15 70	15 70
106 to 110	15 70	15 70

GLUE POTS.

Tinned, each 0 30
Enamelled each 0 55

GRINDSTONE FIXTURES

Per doz 3 60 4 00

HAMMERS.**Nail**

Maydole's, dis. 5 to 10 per cent. Can., dis
25 to 27½ per cent.

Tack.

Magnetic per doz. 1 10 1 20

Sledge.

Canadian, per lb 0 07½ 0 08½

Ball Pean.

English and Can., per lb. 0 22 0 25

HANDLES.

Axe, per doz., net, 1 50 2 00
Store door, per doz 1 00 1 50
Chest, per doz. pairs, 0 40 2 50

Chisel.

Firmer, per gross 3 00 4 50
Socket Firmer, per gross 3 25 8 00
Socket Framing, per gross 3 75 5 00

Fork.

C. & B., dis. 45 per cent. rev. list.

Hoe.

C. & B., dis. 45 per cent. rev. lis

Saw.

American, per doz. 1 00 1 25

Plane.

American, per gross 3 15 3 75

Hammer and Hatchet.

Canadian, 45 per cent.

Cross-Cut Saw.

Canadian, per pair 0 13½ 0 20

HANGERS.

Door, 4 and 5 inch, per pair .. 0 40 0 50

Lanes, 62½ per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cen

" " Shepard's Noiseless, dis. 60 per cent.

" " Buffalo, dis. 60 to 70 p. c.

Light T and strap, 70 and 10 p.c.

Heavy, per lb 0 03½ 0 04½

Screw hook and hinge—

6 to 12 in., per 100 lbs. 3 15

14 in. up, per 100 lbs. 2 35

Screw, Eureka, 1 13 1 80

Gate, Clark's 1 50 2 20

" " Shepard's, dis. 50 to 60 per cent.

Spring, 9 50

" " Shepard's Samson, 1 20

HOES.

Garden, Mortar, etc. dis. 60, 10 and 5 p.c.

Planter, per doz 4 00 4 50

HOOKS.**Cast Iron.**

Bird Cage, per doz 0 50 1 10

Clothes Line, per doz 0 27 0 63

Harness, per doz 0 72 0 88

Hat and Coat, per gross 1 00 3 00

Chandelier, per doz 0 50 1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis.
47½ per cent.

Wire.

Hat and coat, dis. 60 to 60 and 10 p.c.

Belt, per 1,000 0 60 0 70

Screw, bright, Eng., dis. 60 per cent

HORSE NAILS

" P.B.", dis. 50 p.c.

" C" brand, 50 p.c. dis.

" M" brand 50 p.c.

Acadian, 50 and 20 per cent.

HORSE SHOES.

Iron Shoes. F.O.B. F.O.B.
Montreal Toronto*

Light, medium, and heavy. 3 15 3 25

Snow shoes 3 40 3 50

Steel Shoes.

Light, all sizes 3 35 3 45

Extra light, 4 50 4 60

Toe weight (steel) 5 50 5 60

*Also Hamilton, London, Guelph, St. John,
Halifax.

ICE PICKS.

Star, per doz. 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.

Copper, per lb. 0 30 35

LOCKS.

Canadian, dis. 50 p.c.		
Russell & Erwin, per doz....	1 75	7 50
Cabinet,		
Eagle, dis. 30 p.c.		
Padlock.		
English and Am., per doz....	50	6 00
Scandinavian, " " " "	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.		
Round head, discount 20 p.c.		
MAGNOLIA METAL, ETC.		
Magnolia Anti-Friction Metal, per lb.	25	
No Name Metal, " " "	15	
Mystic Metal, " " "	10	
F. O. B. New York or Chicago.		

MALLET.

Tinsmith's, per doz.....	1 25	1 50
Carpenter's, hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.....	3 85	5 00
Caulking, each " "	1 60	2 00

MATTOCKS.

Canadian, per doz.....	8 50	10 00
American, 60 and 10 p.c. of list.		

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.

American, per doz.....	0 42	2 35
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MOLASSES GATES.

Stebbin's Patent, dis. per cent., 77½ per cent		
--	--	--

NAILS.

Cut Nails (Iron). Quotations are:		
2d. and 3d.....	\$2 75	
34.....	2 40	
4 and 5d.....	2 15	
6 and 7d.....	2 05	
8 and 9d.....	1 90	
10 and 12d.....	1 85	
16 and 20d.....	1 80	
30, 40, 50 and 60d. (base).....	1 75	

Cut Nails (Steel). Add 10c. to the prices in list for iron nails.
Wire Nails, basis, \$1.85, Toronto.
Brads and finishing nails, special sizes, 80 p.c. from new list.

NAIL PULLERS.

German and American.....	1 85	3 50
--------------------------	------	------

NAIL SETS.

Square, round, and octagon,		
per gross.....	3 38	4 00
Diamond.....	12 00	15 00

NETTING.

Poultry, 67½ per cent. for imported,		
55 per cent. for McMullen's.		

OIL.

Canada refined oil (Toronto).....	0 14	
Carbon safety " " " "	0 16½	
American w. w. " " " "	0 17½	
Pratt's Astral.....	0 17	

OILERS.

McClary's Model galvan. oil		
can, with pump, 5 gal.,		
per doz.....	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.....	1 25	3 50
Brass, " " " "	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.

Galvanized, per doz.....	1 85	3 00
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PENCILS.

Dixon's, per gross.....	1 00	4 25
Carpenter.....	2 25	3 60

PICKS.

Per doz.....	6 00	9 00
--------------	------	------

PICTURE NAILS.

Porcelain head, per gross.....	1 40	3 00
Brass head, " " " "	0 40	1 00

PIPE CUTTING MACHINERY

Forbes Patent Die Stocks.—Curtis & Curtis,		
Mfrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to		
2 in. R. & L.....	\$ 50 00	
No. 38 Hand Machine, range 1½		
to 4 " " " "	100 00	
No. 56 Hand Machine, range 2½		
to 6 " " " "	175 00	

PLANES.

Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.....		
Wood, fancy Canadian or American, 37½		
to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.		
Miscellaneous, dis. 25 to 27½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.

English, per doz.....	2 00	5 00
-----------------------	------	------

PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½		
40 p.c.		
Button's Imitation, per doz.....	5 00	9 00
German, per doz.....	0 60	2 60

PLUMBS AND LEVELS.

S.R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		
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POPPERS.

Corn, square, per doz.....	1 35	2 00
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PRUNING SHEARS.

Per doz.....	4 00	5 50
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PULLEYS.

Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.

Canadian cistern.....	1 40	2 25
Canadian pitcher spout.....	1 15	2 00

PUNCHES.

Saddlers', per doz.....	1 00	1 85
Conductors', " " "	9 00	15 00
Tinners' solid, per set.....	0 00	0 72
" hollow, per inch.....	0 00	1 00

RAIL.

Barn door, per foot.....	0 02½	0 02½
Sliding door, " " "	0 03½	0 03½
Lanes, " " "	0 02½	0 02½

RAKES.

Cast steel and malleable Canadian, list dis		
60 to 60, 10 and 5 p.c. revised list.		
Wood, 25 per cent.		

RAZORS.

Geo. Butler & Co.'s, per doz.....	8 00	18 00
Boker's, " " "	7 50	11 00
Wade & Butcher's, " " "	3 60	10 00
Arben's, " " "	9 00	18 00
Theile & Quack's, " " "	7 00	12 00

RAZOR STROPS.

Currier's, per doz.....	1 25	3 60
-------------------------	------	------

RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc.,		
(Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc.,		
(Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and 5		
p.c.		
Copper Rivets & Burrs, 45 p.c. dis.		
in ½-lb. boxes and		
cartoons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.		
------------------------------------	--	--

ROPE, ETC.

7-16 in. and larger, per lb 10½	Sisal.	Manilla
¾ in. and larger.....	11	13½
¼ and 5-16 in.	11½	13
Cotton.....	13	14½
Russia Deep Sea.....	14½	17½
Jute.....	6¾	7½
Lath Yarn.....	8¾	9½
New Zealand Rope.....	9½	

RULES.

Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.

Mrs. Potts, per set.....	0 62½	1 00
N.P., per set.....	90	

SAD HEATERS.

Dome, Shepard's, per doz....	4 75	5 00
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SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.....		

SASH CORD.

Per lb.....	0 20	0 50
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SASH LOCKS.

Triumph and Morris, dis. 37½, 40 per cent.		
Kempshall's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.

Sectional, per 100 lbs.....	1 40	1 75
Solid, " " " "	1 25	

SAWS.

Crosscut, McMillan & Haynes,		
per dozen.....	0 40	0 70
"Empire," McMillan & Haynes,		
per ft.....	0 70	
Hand, Diston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Diston's, per ft.....	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.....	0 75	2 75
" frame only.....	0 75	

SAW SETS.

Lincoln, " McMillan &		
Haynes, per doz.....	6 00	7 50
Whiting.....	5 63	7 00

SCALES.

Gurney Scales, 50 p.c.		
B. S. & M. Scales, 50 p.c.		
Champion, 60 per cent		

SCRAPERS.

Box, per doz.....	2 10	4 50
Boot, " " " "	0 40	3 50

SCREENS.

Door, patent, per doz.....	6 50	11 00
Window, per doz.....	2 00	2 75

SCREW DRIVERS.

Sargent's, per doz.....	65	4 00
-------------------------	----	------

SCREWS.

Wood, F. H., iron, and steel, dis. 87½ &		
10 p.c.		
Wood, F. H., " dis. 80 and 10 p.c.		
" F. H., brass, dis. 82½ and 10 p.c.		
" R. H., " dis. 75 and 10 p.c.		
Drive Screws, 87½ and 10 per cent.		
Bench, wood, per doz.....	3 25	4 00
iron, " " "	4 25	5 75

SCYTHES.

Discount, per doz. net.....	4 50	6 00
-----------------------------	------	------

SCYTHE SNATHS.

Canadian, dis. 50 p.c.		
------------------------	--	--

SHEARS.

B. & W., japanned, dis. 75 p.c.		
B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 60 p.c.		
Etina, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
" N.P., dis. 70 p.c.		
laus, full nickel, 60 p.c.		
" japanned handles, 67½ p.c. off.		
Seymour or Heinisch tailor shears, 15 p.c.		

SHEAVES.

Sliding door, per set.....	0 77	1 40
----------------------------	------	------

SHOVELS AND SPADES.

Canadian, dis. 40 and 10 to 45 and 2½ p.c.		
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SIEVES.

Wood rim, black, per doz.....	1 05	1 10
" tinned, " " "	1 25	1 35
Tin rim, per doz.....	2 30	2 45
" black, " " "	1 85	2 25

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme.....	3 00	5 00
Lock, Andrews'.....	4 50	11 50

SOLDERING IRONS.

Per lb.....	0 25	
-------------	------	--

WROUGHT SPIKES.

Discount, 35 to 40 per cent.		
------------------------------	--	--

SPOKE SHAVES.

Wood, English.....	1 80	5 00
Iron, American.....	1 35	2 35

SPOONS AND FORKS.

Tea spoons, per gross.....	7 50	12 00
Dessert, " " "	21 00	00 00
Table, " " "	30 00	00 00
Dessert Forks, " " "	24 00	00 00
Medium " " "	27 00	00 00
Table " " "	36 00	00 00

SQUARES.

Iron, per doz.....	1 65	2 90
Steel, dis. 70 per cent, revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAPLES.

Galvanized.....	2 00	
Bright.....	1 80	

STOCKS AND DIES.

American, dis. 25 p.c.		
------------------------	--	--

STONE.

Washita, per lb.....	0 28	0 60
Hindustan, " " "	0 06	0 07
" slips, per lb.....	0 09	0 09
Labrador, " " "	0 13	
Axe, " " "	0 15	
Turkey, " " "	0 15	
Arkansas, " " "	0 00	1 50
Water-of-Ayr, " " "	0 00	0 10
Scythe, per gross.....	3 50	5 00
Grind. per ton.....	15 00	18 00

Stove Polish.



No. 4-3 dozen in case.....	\$4 50	
No. 6-3 dozen in case.....	7 50	

TACKS, BRADS, ETC.

TACKS, BRADS, ETC.	
Cheese-box tacks, blue, 80 and 23 p. c.	
Trunk tacks, black, 80 and 12½ p. c.	
" tinned, 80 and 12½ p. c.	
B.B.B. iron carpet, blued.....	80
" tinned.....	80
B.B.B. iron carpet, bright or blued (in kegs).....	40
B.B.B. iron carpet, tinned (in kegs)....	45
B.B.B. cut tacks (in bulk).....	80
" " ¼ weights, 4 to 14.....	50
" " 4 to 10.....	55
Swedes, cut tacks, genuine, blued and tinned, bulk.....	80
Swedes, upholsterers, 80 and 20.	
Swedes, carpet, blued and tinned, doz.	70
" lace.....	75
" brush.....	50
" gim, blued tinned.....	55
Zinc tacks.....	35
Copper tacks.....	62

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays 10 cents to any address on receipt of

HARDWARE AND METAL, Toronto

THE PRESS CLIPPING BUREAU

Reads every newspaper in Canada and clips therefrom all articles of a business or personal nature of interest to subscribers in this department.

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Terms—\$5 per hundred clippings: \$40 per thousand, payable in advance; but a yearly contract will be found the most satisfactory.

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Board of Trade, Montreal

STAR HACK SAWS BUTCHER SAWS BRACKET SAWS

THE STAR HACK SAW

Has a file temper, and one 5-cent blade will do more work than \$1 worth of files. It will cut off an inch square bar of steel 100 times without filing.

THE STAR BUTCHER SAW

Will cut four times as long without filing as any other kind in use. It will cut off a half-inch rod of iron 30 times.

THE STAR BRACKET SAW

Is taking the place of all other kinds.

None of these Star Saws are to be filed, as the price is less than the cost of filing. They are taking the place of all other saws as fast as they become known.

For Sale by Most Hardware Dealers

We also make a Power Hack Saw which may be found in most machine shops and iron working establishments, and should be found in all.

MILLERS FALLS CO. 93 Reade Street NEW YORK

CHARLES F. CLARK, President.

J. CHITTENDEN, Treasurer.

ESTABLISHED 1849.

THE BRADSTREET MERCANTILE AGENCY

THE BRADSTREET COMPANY,

Executive Offices Proprietors.

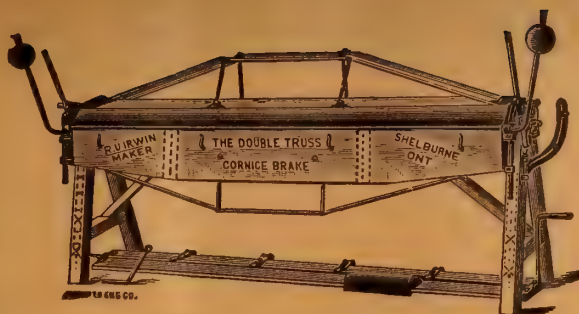
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Offices in the principal cities of the United States, Canada, the European Continent, Australia, and in London, England.

The Bradstreet Company is the oldest and, financially, the strongest organization of its kind—working in one interest and under one management—with wider ramifications, with more capital invested in the business, and it expends more money every year for the collection and dissemination of information than any similar institution in the world.

TORONTO OFFICE.

McKinnon Building, Cor. Jordan and Melinda Sts. THOS. C. IRVING, Superintendent



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, \$50

Very handy bender attachment, \$10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

Brushes for Plumbers and Steamfitters

We keep on hand a special line of Radiator Brushes, Furnace Brushes, Water-Closet Brushes, etc.

Our All-Steel Champion Furnace Brush is the best value in the market.

MEAKINS & CO.

313 St. Paul Street

MONTREAL

Baylis Manufacturing Co.

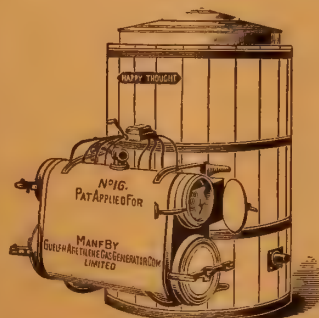
16 to 30 Nazareth Street, MONTREAL

VARNISHES
WOOD FILLERS
OILS

JAPANS
WHITE LEAD
AXLE GREASE

LACQUERS
PAINTS
Etc.

WRITE FOR PRICES.



ACETYLENE GAS

Perfect Light Perfect Safety

Our Machine is Automatic. Safe.

Sold only through the local Hardware and Plumbing Trades, etc.

No Peddling.

Write Us.

THE GUELPH ACETYLENE GAS CO.

GUELPH, ONT.

Limited

IMPROVED Labor-Saving CARPENTERS' TOOLS.

STANLEY
RULE & LEVEL CO.

New Britain, Conn.

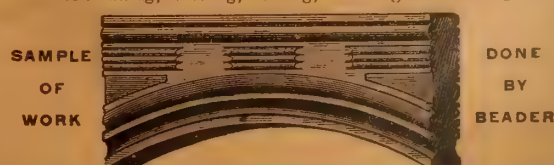
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Hardware Dealers.

Stanley's Universal Hand Bearer.



For Beading, Reeding, Fluting, or for light Routing.



No. 66. Nickel Plated, with seven Steel Cutters \$1 00

Est. 1863

Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve

Medals



Awarded
By **JURORS** at
International Expositions
Special Prize

Gold Medal at Atlanta, 1895



HAVE YOU TRIED IT?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

ROBERTSON'S Ready-Mixed Paints

Can be relied upon every time. They
are easier to apply, look better and last
longer than others.

Manufactured by

The JAMES ROBERTSON CO., Limited 263-285 King Street West, Toronto

Telephones 819, 1511 and 1292.

THE PAINT MAKERS

" $\frac{1}{2}$ Century's Test"
Langwell's
Metallic Alloys--Montreal.

CANADIAN

HARDWARE

AND METAL
MERCHANT

VOL. X

MONTREAL AND TORONTO, AUGUST 13, 1898

No. 33



Magnolia Metal

*Best Anti-Friction Metal for
all Machinery Bearings.*

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.



The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamped
on the under side of
each bar.

MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Traders' Building.
MONTREAL—Caverhill, Learmont & Co.
General Dominion Agents.

Owners and Sole Manufacturers,

266 and 267 West St., New York

It Pays



CANADA

It pays to use "QUEEN'S HEAD"
Iron, because it will always do your work,
is perfectly flat and perfectly galvanized,
and withal is usually as cheap by the
sheet as any make.

It pays to handle it, because your customers are always
satisfied; no complaints, no credit notes, no lost accounts
for any fault of the goods.

It pays to make it, because there is such a large and
constant demand, and it will command a fair price.

JOHN LYSAGHT, Limited
BRISTOL and MONTREAL

Experience Counts

A pioneer may win reputation by a novelty.
For a day—for a year, it may be—a new thing may com-
mand some attention.

Enduring success must be founded upon intrinsic worth. Merit
usually wins by the unequalled test of experience.

And that is why The Safford Radiator—the **original** Radiator
having the non-leakable, screw-threaded nipple connections stands where
continued leadership places it—at the head.

"Proofs wanted" you say? The busi-
ness has grown steadily—it is the largest of
its kind under the British Flag. "Endur-
ing success is founded on intrinsic worth."

The Safford Radiators.

The Dominion Radiator Company, Limited
formerly

Toronto Radiator Company.

Toronto, Ont.

RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President.

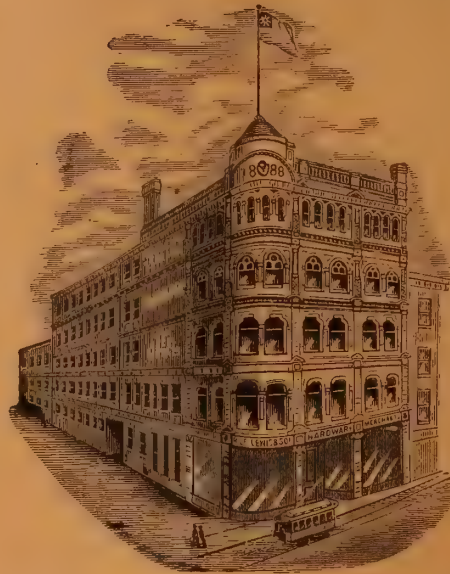
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Importers of . . .

Bar Iron
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Boiler Plate

Shelf and Heavy

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MANTELS
GRATES
TILES
Cutlery . .

FINE BUILDERS' HARDWARE.

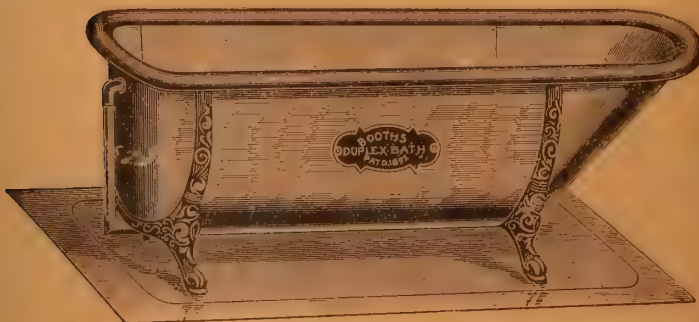
Cor. King and Victoria Streets

...TORONTO

"Solidity"

In speaking of DUPLEX TUBS, this word is particularly applicable, as it is the "solidity" of the Tub that is a great point of merit. The steel, copper and tin are all practically fused together, making one solid sheet. It is therefore almost impossible to dent or bruise one of Booth's DUPLEX Copper-lined Bath Tubs.

"DUPLEX"



BOOTH'S PATENT

Sole Manufacturers in Canada :

The Toronto Steel-Clad Bath and Metal Co., Limited

TORONTO

Established 1860.

Incorporated 1895.

THIS IS A HOT ONE

The "New Process"

Oil Heater



Is pretty enough for the parlor, and light enough to be carried from cellar to attic. Will do the work of any \$10.00 Heater, and could be retailed at nearly half that price.

Not necessary to carry half a dozen makes and sizes in stock. The "New Process" answers all purposes.

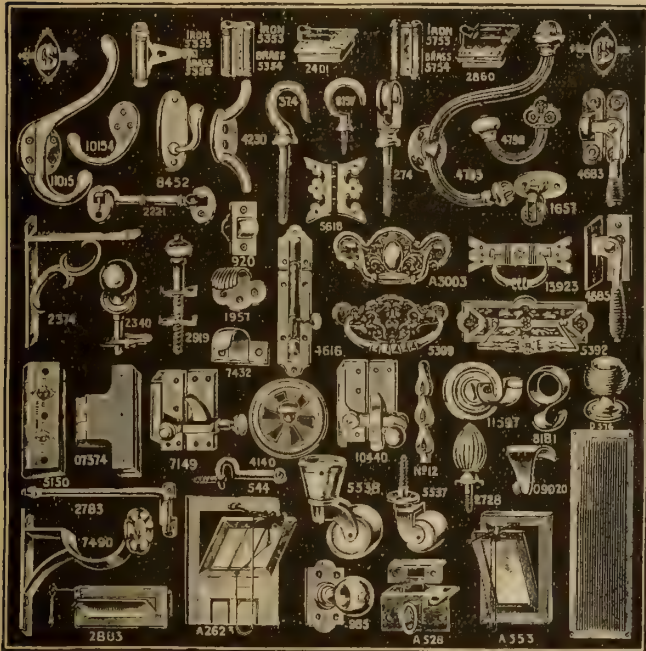
The Thos. Davidson Mfg. Co., Limited

MONTREAL

James Cartland & Son

Manufacturers of every description of

**CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY
BIRMINGHAM, ENGLAND.**



London Showrooms: 57 Holborn Viaduct, E.C.

Our "Para" Rubber Belt

is made of 32-oz. Duck coated with fine Para Rubber, and makes a superior THRESHING BELT.

**OUR PATENT
SEAMLESS**

Forsyth Rubber Belt

is so constructed as to do away with an exposed seam.

Price List and Discounts on application.



THE CANADIAN RUBBER CO.
OF MONTREAL

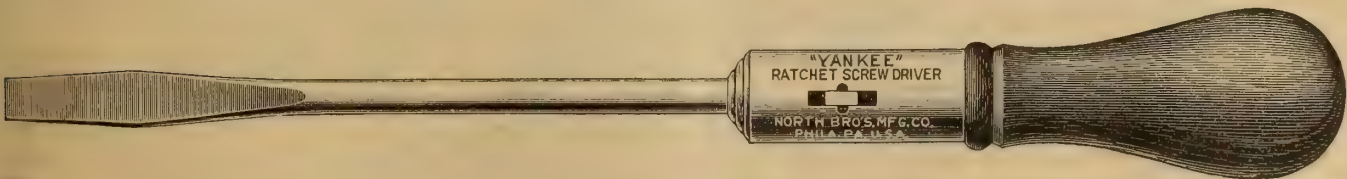
CAPITAL - \$1,500,000.

BRANCHES: **Toronto and Winnipeg.**

OTHER TOOLS ARE VERY GOOD TOOLS, BUT "YANKEE" TOOLS ARE BETTER



SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

Sold in Canada by _____

CAVERHILL, LEARMONT & CO.	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	"
RICE LEWIS & SON, Limited	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	LONDON

Descriptive Circulars will be mailed on application.

North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.

CANADIAN ADVERTISING is best done by THE
E. DESBARATS ADVERTISING AGENCY,
MONTREAL.

ISLAND CITY Paint and Varnish Works

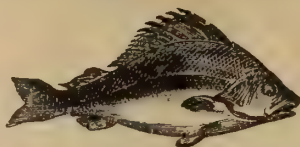
.. Manufacturers of ..

**READY MIXED PAINTS and
FINE COACH VARNISHES.**

WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.

WORKS 274 St. Patrick St., MONTREAL.

Fishing Tackle.



ALLCOCK'S STAG BRAND

goods are the best. When
you buy from us you buy
from the largest makers
and oldest house in Eng-
land. Established 1800.

TRADE MARK

The Allcock, Laight & Westwood Co., Limited
73 Bay Street, TORONTO, and
REDDITCH, ENGLAND.

Sole wholesale selling agents for THE DOMINION
HAMMOCK MANUFACTURING CO., Paris, Ont.

The Canadian Mining Exhibit Co., Limited

Will give you any information in reference
to Mines or Minerals found in your dis-
trict.

Assays made by their own Assayers

If you have or know of any Minerals you
do not know the value of, send Samples
to us, and we will let you know whether it
is worth anything to you.

Mining Properties Valued by Experts

THE

CANADIAN MINING EXHIBIT CO., Limited

650 Craig Street

... MONTREAL.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern
district of New York, Judge Townsend, has rendered a decision in the suit of
R. Heinish's Sons Co. vs. Hermann Boker & Co:

"The complainant (R. Heinish's Sons Co.) is entitled to an accounting
and to an injunction restraining them from using the names 'Heinish' or
'H. C. Heinish' on its Shears, Labels, etc., and otherwise in any way which
will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to
protect our rights in the premises, and warn all persons against any imitation
of our trade name.

R. Heinish's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinish Shears are sold by Caverhill, Learmont & Co., Mont-
real, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood,
Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H.
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COLDBROOK IRON AND STEEL CO.

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Manufacturers of
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BAR IRON.

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GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above
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The fibre is long
and strong

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HARDWARE MANILLA
MANILLA
FIBRE**

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The paper stands
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ESTABLISHED
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CORPORATE
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JOHN CROSSLAND

MANUFACTURER OF

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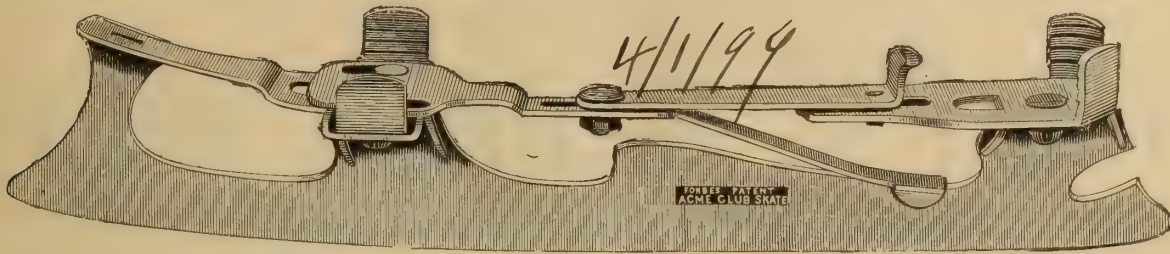
Pocket, Table and Butcher Knives.

Spear, Bowie, Daggers, Matchets and Hunting Knives.

These goods have a world-wide reputation for good quality and finish. Any infringers of our corporate mark will be promptly prosecuted.

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Galvanized Sheets . .

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AN ANNOUNCEMENT !

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

Enameline THE MODERN STOVE POLISH PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

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SYRACUSE BABBITT METAL

You will have no trouble with your machinery.

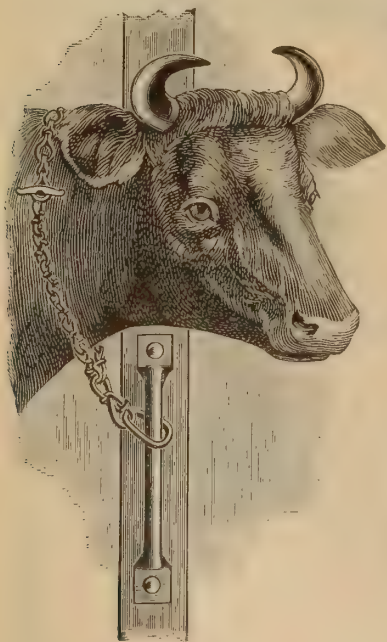
IT WILL NOT CUT NOR HEAT.

It is positively the best metal manufactured in Canada or the United States.

Syracuse Smelting Works

SYRACUSE, N. Y.

MONTREAL



NIAGARA PATTERN

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COW TIE.

Made in either

CUT LINK

... OR ...

WIRE LINK
CHAIN.

Showing also our new

NIAGARA
STALL
FIXTURE.

The cheapest, safest and most convenient stall fixture ever devised for either cows or horses. Allows great freedom to the head without a long chain, which would entangle the animal's foot. Also American Open and Closed Ring Cow Ties.

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NIAGARA FALLS, ONT.

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Made of ---

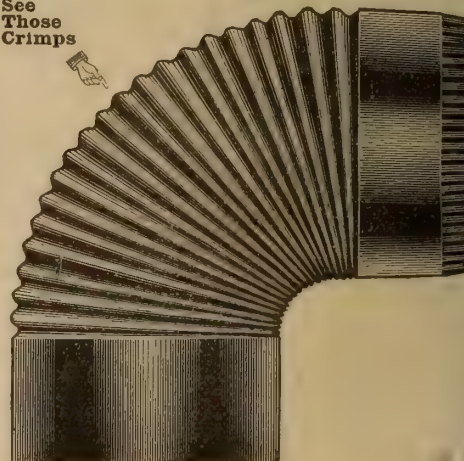
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Those
Crimps

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Two
Qualities :

Nos. 1 and 2.

This Elbow
is popular



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Because it is attractive in appearance.
Because it will not get damaged in shipping.
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Because it is rivetted ready for use.
Because it is as cheap as the ordinary pieced elbow.

The improved process of manufacture produces a short turn, therefore, less material is used, and, consequently, less weight per dozen, which results in a great reduction in freight and a reduced cost to the buyer.

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JOHN BAYNE MacLEAN, HUGH C. MacLEAN
Montreal. Toronto.

THE MacLEAN PUBLISHING CO. Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

RAILWAY SUPPLIES IN CANADA.

BUSINESS in Canada in railroad supplies, such as rails, spikes, bolts, etc., has not been so brisk for several years as it has been lately.

As far as the steam railways are concerned, this was to be expected, as during the lean years, which are now happily past, a great deal of economy had necessarily to be practised in regard to the road bed and rolling stock.

With the better times and the consequent increased earnings, the railways are, however, enabled to keep their appurtenances in a better state of repair.

Then, besides the steam railways, there is the growth of the electric railway system in

the Dominion to help swell the demand for various kinds of supplies.

In the United States a similar condition of affairs obtains, the railroad shops there having been seldom as busy as they now are.

TO GET CANADIAN TRADE.

THE preferential tariff has been taken seriously in Great Britain, an evidence of this being the presence, in Canada, of Mr. S. G. Hobson, of the staff of Hardwareman and Hardware Exporter, Birmingham, England.

Mr. Hobson is not here primarily in the interest of his journals, but he has also been commissioned by some twenty manufacturing firms, to find them pushing and effective agents and buyers for a wide range of goods.

In conversation with Mr. Hobson, we told him that the real difficulty lies in the disposition of the British manufacturer to push his own patterns rather than consider the local patterns and requirements. Mr. Hobson admitted the indictment, but said the firms he represents are all quite conscious of this and are prepared to make to Canadian patterns and do business in accordance with Canadian customs.

Those desiring information about British products or British business should communicate with Mr. Hobson at the Windsor hotel, Montreal. He is enthusiastic over the cordial reception he has received, both in the United States and Canada.

Dead beats are usually so much alive that merchants have no easy task to keep from being victimized by them.

TORONTO PLUMBERS ARE BUSY.

THERE is no question but that 1898 is a "good-times" year for the plumbers of Toronto. Before a plumber can undertake any plumbing or ventilating job in this city he must secure a permit for such work at the medical health office. From the number of these permits issued, a fair judgment can be arrived at regarding the work going on in the city.

In conversation with **HARDWARE AND METAL** the medical health officer made the statement that more plumbing permits had been issued up-to-date this year than in a corresponding time in any year previous, even during the boom days, and that the number is fully four times as large as during the same time in any of the last three or four years.

The average number of plumbing permits issued is over one hundred per month, some of them being for many residences in a row or terrace.

Almost without exception, too, there has been a great improvement in the quality of the work done. During the boom years almost any job was accepted by the land owners, but now, in even the tenements, which rent at \$6 to \$7 per month, it has been found necessary to have "all the most modern conveniences," and to keep them in good repair.

While there is abundant evidence of "good times," it must not be considered that there is a boom in plumbing circles, for prices have ruled rather lower than the average in a large percentage of cases, and with the insistence on a better quality of work the large profits of the boom days do not by any means follow this year.

A WORD TO BRITISH MANUFACTURERS.

IT is evident from British trade journals to hand that special efforts are being made to urge manufacturers to make their goods of such pattern or description as may be commensurate with the requirements of the Dominion.

The trade journals in question are doing a good thing for the manufacturers of their country in thus advising them.

The rapid development of the United States in the manufacturing industry, together with the advantage of freight rates and quick delivery of goods, consequent upon the close proximity of the two countries, has naturally lead to a great deal of the Canadian trade being secured by that country, at the expense of British goods.

But the development of the United States in a manufacturing sense, and the proximity of that country to Canada, do not explain all the losses of Canadian trade by Great Britain. There is still another cause: The British manufacturer has, time and again, refused to make an article after a certain pattern or style, even when he was requested to do so, in order to meet the competition of his confreres in the United States.

He appeared to fortify himself with the assumption that what suited either the home market or some other market ought to suit Canada's market. And, while he satisfied himself with this species of argument, the trade slipped from his fingers and went to the United States.

Taking both dutiable and free goods together, Canada's imports from Great Britain, of metals and iron and steel and manufactures of, were only \$4,082,383 worth in 1897, against \$8,344,814 five years before, a decline of over 51 per cent. in that brief period.

Imports from the United States show, on the other hand, a marked increase for the five-year period. For example: In 1893 the imports into Canada of dutiable and free goods, under the broad classification given above, were \$7,892,631; in 1897 they were \$10,071,833, an increase of nearly 28 per cent.

The following table shows at a glance the decrease and increase in the imports of metals and manufactures of into Canada

from Great Britain and the United States respectively, during the last five years, dutiable and free goods combined:

	From Great Britain.	From United States.
1893.....	\$8,344,814	\$7,892,631
1894.....	7,232,961	6,705,074
1895.....	4,646,011	7,076,296
1896.....	5,016,259	8,608,690
1897.....	4,082,383	10,071,833
Total 5 years' trade..	\$29,322,438	\$40,354,524

These figures are astonishing. And it remains to be seen what the British manufacturers can do, aided by the preferential tariff, to retrieve what they have lost. One thing they may be assured of: They must be more willing to comply with the demands of the Canadian market than they hitherto have been. Another thing: They must personally visit the trade in Canada or send travelers to represent them. If any of them imagine, now that the tariff on their products is lower, that all they will simply have to do will be to sit in their office and receive orders, never were men more deluded. Favorable and all as the tariff is, they will still find competition keen.

THE ABUSE OF MR. MULOCK.

WHEN politics lead one party to try and deprive the other party of the credit it is entitled to for some judicious action, politics may well be described as at a low ebb.

This is about the condition of politics in Canada to-day. And one of the latest evidences of it is to be seen in the matter of Imperial penny postage.

Postmaster-General Mulock did not originate the idea. Long before he probably ever thought of the matter the idea was conceived and given expression to by others. But no matter who conceived it or who propagated it, no one was more instrumental in bringing the thing actually about than the Hon. Mr. Mulock.

Had Mr. Mulock not championed the Imperial postage idea it would only have been a matter of time, and that a short time in all probability, before the desideratum would have been secured, but that does not alter the fact that the business men of the Dominion will in a few months enjoy a 60 per cent. reduction on the letter rate to Great Britain, because the Canadian

Postmaster-General, at an opportune time, pressed the matter upon the attention of the Imperial Government.

Politicians have sins enough to answer for without attempts being made to discredit them when honor is due.

BRITISH TRADE WITH THE PHILIPPINES.

ONE of the problems arising out of the war with Spain which awaits solution in the United States is the disposal of the Philippine Islands.

The commercial interests appear to think that the retention of the Islands is demanded in order to facilitate the extension of the United States' trade in the east.

As far as the trade of the Philippine Islands themselves is concerned, Great Britain is far more interested than the United States.

Of the total exports of the Islands, the British Empire takes nearly 32 per cent. of the whole, and the United States less than 22¼ per cent. Then, of their total importations, 28 per cent. is from the Empire, and but a little over 1 per cent. from the United States. Taking the aggregate trade of the Philippine Islands, over 32 per cent. is with the British Empire, and but a little over 15 per cent. with the United States. The aggregate trade of the British Empire with the Islands exceeds, by nearly \$2,000,000, even that of Spain itself.

DROPS FROM THE EDITOR'S PEN.

Inaction will rust a man as well as a machine.

Civility costs nothing, but will often buy a great deal.

A good summer suggestion for merchants—take a rest.

If you do not properly keep your books your store will not keep you.

Politeness will win many customers, but politics usually drives them away.

More effort is required to look pleasant than to look sour, but it pays better.

If a man has not good judgment it is better he were on the bench than behind the counter.

A PARTIZAN COMMISSION—WHY?

THE suggestion that Sir Charles Tupper be one of Canada's representatives at the coming Quebec conference does not meet with the approval of certain influential political newspapers. This is to be regretted.

In urging the appointment of the leader of the Opposition as one of the commissioners, the motive was not a party one. Concern for the best interests of the country and for a calm and just consideration by Parliament of such treaty as the conference may agree upon were the only motives.

In the composition of the Canadian delegation as it is to-day are elements which weaken the interests of Canada at the conference, and threaten to damn whatever international instrument the conference may construct.

In the first place, each appointment is a political one. There is no question about that. The political faith of the appointees proves it. Consequently, there is grave danger that some of the questions which come up for consideration will be looked at through the spectacles of one political party. This is something that is to be deplored, whether the spectacles be Conservative or Liberal in their composition, for they are colored of whatever kind they are.

As far as the gentlemen themselves are concerned their ability is not questioned. Sir Wilfrid Laurier, Sir Richard Cartwright and Sir Louis Davies are properly assigned to the commissionship, the first being Premier, the second Minister of Trade and Commerce, and the third Minister of Marine and Fisheries. But there should have been a place on the commission for Sir Charles Tupper, in the first place, in order to avoid giving it a partizan complexion, and secondly, in order that the Canadian members of the conference might be made as strong as possible. And none but a partizan will deny that Sir Charles Tupper, with an experience in diplomatic matters exceeding that of any other Canadian of to-day, would materially increase the strength of the delegation which is to represent this country at the conference.

The British Government has appointed a political opponent as associate with Sir Julian Pauncefote, and even that protectionist of protectionists, President McKinley,

has given a free trader a place among the delegates who are to represent the United States at the "Ancient Capital."

Surely, when the Administration at Washington shows that it is not altogether consumed by partizanship, the Administration at Ottawa cannot afford to allow the idea to go abroad that it is less magnanimous than the rulers at the United States capital.

HARDWARE AND METAL urges the Government to deviate from the narrow course it has pursued in this matter; to deviate for the sake of Canada; to deviate for the sake of the treaty which may be agreed upon at the conference.

The faith of HARDWARE AND METAL in the wisdom and business ability of the average politician, both Conservative and Liberal, is even smaller than the proverbial grain of mustard. With the average politician the cause of party is more precious than cause of country.

If by stabbing a measure advantageous to Canada a political opponent can be maimed he seldom has any hesitation in doing so. We had more than one instance of that during the last session of Parliament.

HARDWARE AND METAL would like to see this avoided as far as possible at the next session of the House of Commons, when, it is possible, some kind of a treaty between the Dominion and the United States may be submitted for consideration. And it is because of its desire to see this instrument considered with as little political animus as possible that it urges the appointment of Sir Charles Tupper as a member of the Quebec Conference.

SCREWS ADVANCE IN PRICE.

An advance of about 11 per cent. has been made by the manufacturers of wood screws. The change went into effect on Wednesday.

The discounts under the new order of things are as follows: Flat head, iron, 87½ per cent.; round head, iron, 80 per cent.; flat head, brass, 82½ per cent.; round head, brass, 75 per cent.; drive screws, 87½ per cent.

There has been talk of an advance for some time, the market in the United States having been tending upward lately.

Inattention to customers is the unpardonable sin in business.

BINDER TWINE DROPS IN THE U.S.

THERE is probably no article handled by the hardware dealer that has received so much attention from the general public during the past few months as binder twine.

Much was said and written regarding the unusual advance in prices that was really the veriest twaddle, but the men who fully grasped the situation were few and far between.

It was a general belief, and a belief that seemed to have a good foundation, that the end of the season would see a scarcity and possibly a shortage of binder twine in Canada.

The condition of the United States market was similar to that of the Canadian, a shortage being expected, and prepared for by both manufacturers and dealers.

In fact, the preparation in the shape of increased manufacture was so great that the expected shortage did not occur. By the end of July orders to manufacturers had practically ceased, and, as the season drew to an end, dealers with stocks on hand commenced to unload, offering their goods at a price sufficiently below the prices ruling to practically stop the demand from jobbers.

The natural result is a decline of 3 to 4c., and even at this figure merchants with ordinary stocks left over are trying to unload as much as they can.

TIN IS DEARER.

The tin market has been particularly strong during the past week, and prices have advanced materially, a gain of over £1 per ton being chronicled one day.

As a result of the strength in the outside market, local quotations are higher, prices now being: "Straits," 18c. per lb.; "Lamb" and "Flag," 18½c. per lb.

The world's probable production of gold for 1898 is estimated by the United States Mint Bureau at \$275,000,000. Be sure you get a share of it.

ADVERTISING TIP.

Good advertising cannot be called an expense, for it is only an investment, just as you place your money in a glove stock or a line of furnishings, and you get your money out of it just as surely, and with possibly a better margin on the investment.—Advertising World.

STORE WINDOW-WASHING.

By Prof. Wilbur L. Scoville, Massachusetts College of Pharmacy.

WHAT the eye is to the face, the window is to the store, and if the face or the store is to be attractive the eye or the window must be bright. To secure this effect, the plate glass, costing its scores or even hundreds of dollars, has entirely superseded the old window glass, costing as many cents. One is no more transparent than the other, but one possesses a cleanness and a lustre which was formerly lacking, and that is worth the added cost.

Still the problem is not yet wholly solved, and the weekly window-cleaning is usually a matter which is dreaded. So simple an operation is it that it is intrusted to the greenest tyro, yet so difficult of perfection that the most expert would hesitate to claim its attainment.

F. Foerster, a German chemist, has done a large amount of careful experimenting during the past five years, to ascertain the exact vulnerability of different kinds of glass under different conditions. His conclusions, which are very interesting, have been made upon plate and window glass, as well as glass for chemical ware.

In a series of experiments upon six different kinds of plate glass, Foerster found that at 20° C. pure water dissolved 1-65 grain to 1-11 grain of glass per 15.5 square inches (100 sq. Cm.), while a 1 per cent. solution of sulphuric acid dissolved 1-325 to 1-54 grain, 1 per cent. nitric acid dissolved 1-90 to 1-35 grain, 1 per cent. hydrochloric acid dissolved 1-325 to 1-40 grain, and 1 per cent. acetic acid 1-325 to 1-58 grain, each per 15.5 square inches of glass.

In a series of elaborate tables he has demonstrated the action of different strength solutions of acids, and of water, upon glasses of different compositions, and under different conditions of time, temperature, etc., but the above facts are sufficient for our purpose.

Now for the application of the facts. In window-washing, the first consideration is to remove the dirt, and the second, to polish the glass. From a scientific point of view, these two are antagonistic. One aims to remove matter, the other to prevent the removal of matter. But, since the matter in consideration is not the same in each case, the problem is easily solved by keeping the proper sequence.

For the removal of dirt, a weak alkali is the most generally efficient. It is the liberation of alkali, by the decomposition of soap when dissolved in water, that the detergent properties of soap are, in part, due.

Glass is undoubtedly more easily cleaned by the occasional use of weak alkali than by pure water, though the latter is both

sufficient and efficient if used frequently enough. Since ammonia has less action on glass than soda or potash, it is to be preferred, and, further, the water should not be hot. But, at best, the alkali will attack the glass, suspend some of the silica, and cause the dreaded streakedness.

Then, to correct this, after the removal of the dirt, an application of weak acid is desirable. Either hydrochloric or acetic acid is to be preferred here, on account of their volatility and absence of corrosive properties, and hydrochloric acid has the advantage in point of cost.

Then the sequence is, first, an alkali to remove the dirt, and then an acid to polish the glass. If to these we add another factor, a polishing agent in the shape of some substance which will produce a mild friction without scratching, we have combined all the virtues of the commercial preparations for this purpose, without their defects, and with an added virtue.

I would recommend the following procedure: First, wash the glass in the usual manner with water containing about half an ounce of concentrated ammonia water to a pailful of water—not more, for fear of removing the paint or varnish from the woodwork.

Then, while the glass is wet, and without rinsing, go over the entire surface with a weak solution of hydrochloric acid, prepared by adding to a pailful of fresh water two or three ounces of strong muriatic acid. This neutralizes the ammonia and the alkali in the glass, and forms some soluble chlorides which aid in the polishing. Finally dry and polish with a clean cloth.

The acid will have no ill effects upon paint or varnish upon the window frames, nor even upon unpainted woodwork.

If metal window frames hold the glass the acid is liable to attack these, and should be avoided or used cautiously. A weaker acid would be advisable in this case.

Some have tried this plan and are pleased with the result. They think that the time taken to go over the glass with two successive waters is more than compensated in the saving of time in the drying and polishing, and then the window is brighter.

But if you wash windows so frequently that they do not get really dirty, the alkaline water might be omitted, and you may be pleased with the result if the hydrochloric solution is used in place of pure water. The addition of a little salt to this might prove a further pleasure.—American Druggist.

Lose this day loitering—'twill be the same story
To-morrow—and the next more dilatory;
Then indecision brings its own delays,
And days are lost lamenting o'er lost days.

—Goethe.

A DREAMING MATCH.

AMONG the famous Indian traders of the past, says an exchange, was George Galphin, whose trading-station at Silver Bluff, South Carolina, was frequented by Indians from far and near. In Bench and Bar of South Carolina, a characteristic anecdote is related of Mr. Galphin and an Indian chief.

Chief Mogoloch from beyond the Savannah river spent the night at Mr. Galphin's. In the morning the Indian said: "Me dream last night."

"Ah!" said Galphin, "what did my red brother dream?"

"Me dream you give me fine big rifle"—in Galphin's possession at the time.

The trader instantly passed the rifle to the chief, saying "If you dreamed it, you must have it."

Next morning Galphin said to the chief, "I dreamed last night."

"What you dream?" asked Mogoloch.

"I dreamed you gave me the Chickasaw stallion"—which the chief was then riding.

"If you dream um, you must have um," said the chief, and the horse was straightway transferred to the trader.

The next morning, the Indian remarked: "I dream last night."

"What did my red brother dream?" was the enquiry.

"I dream," answered Mogoloch, "you gave me red coat you wear, and much calico."

"If you dreamed it you must have it," said Galphin, and the Indian received the red coat and calico.

Next morning it was Galphin's turn. He said to the chief, "I dreamed last night."

"What you dream?" was Mogoloch's enquiry.

"I dreamed," replied Galphin, "you gave me ten miles of land around the Ogeechee old town."

"Wugh!" said the Indian; "if you dream, you must have um, but I dream with you no more."

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

THE TRIUMPH OF PROMPTNESS.

IT WAS enough to send Napoleon to St. Helena. It is a well-known truism that has almost been elevated to the dignity of a maxim, that what may be done at any time will be done at no time.

"The fact is," says the Rev. Sydney Smith, "that, in order to do anything in this world worth doing, we must not stand shivering on the bank, and thinking of the cold and danger, but jump in and scramble through as well as we can. It will not do to be perpetually calculating risks and adjusting nice chances. It did all very well before the flood, when a man could consult his friends upon an intended publication for 150 years, and then live to see its success for six or seven centuries afterwards; but at present a man waits, and doubts, and hesitates, and consults his brother, and his uncle, and his particular friends, till, one fine day, he finds that he is 65 years of age—that he has lost so much time in consulting his cousins and particular friends that he has no more time left to follow their advice."

The African Association of London wanted to send Ledyard, the traveler, to Africa, and asked him when he would be ready to go. "To-morrow morning," was the reply. John Jervis, afterwards Earl St. Vincent, was asked when he could join his ship, and replied, "Directly." Colin Campbell, appointed commander of the army in India, and asked when he could set out, replied, without hesitation, "To-morrow." "Every moment lost," said Napoleon, "gives an opportunity for misfortune."

The energy wasted in postponing until to-morrow a duty of to-day, would often do the work. How much harder and more disagreeable, too, it is to do the work which has been put off. What would have been done at the time with pleasure or even enthusiasm becomes drudgery after it has been delayed for days and weeks. Letters can never be answered as easily as when first received. Many large firms make it a rule never to allow a letter to remain unanswered over night. Promptness takes the drudgery out of an occupation. Putting off usually means leaving off, and going to do becomes going undone. Doing a deed is like sowing a seed; if not done at just the right time it will be forever out of season. The summer of eternity will not be long enough to bring to maturity the fruit of a delayed action. If a star or planet delayed one second, it might throw the whole universe out of harmony.

"There is no moment like the present," said Maria Edgeworth; "not only so, there is no moment at all, no instant force and energy, but in the present. The man who will not execute his resolutions when they

SELL PAINT THIS FALL

You can do it, if you go about it right—lots of it.

There's always a lot of paint used in the Fall. There is going to be more than usual used **this** Fall. Trade is improving—good times are here. The first thing many people will want to do is paint up.

Your business is to make the most of the opportunity. The first thing is to procure a good paint—the next, to push it.

We've got the paint—and the push too. **S.-W. P.**, The Sherwin-Williams Paint and The Sherwin-Williams Push.

We're going to sell a lot of paint this Fall. Do you want to handle it? There is not much time to lose—we're after it now. Let us hear from you at once through our salesmen or the mail.

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers,

**CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON**

Walter H. Cottingham
Managing Director
Canadian Dept.

are fresh upon him, can have no hopes from them afterward. They will be dissipated, lost in the hurry and skurry of the world, or sunk in the slough of indolence." Cobbett said he owed his success to being "always ready" more than to all his natural abilities combined.—Pushing to the Front.

A WINDOW ARTIST.

Editor **HARDWARE AND METAL**,—Mr. J. W. Ward, the Sherwin-Williams special artist, is with us, and, last Saturday night, gave us one of the best window ads. we have had in many a day. Getting in the window shortly after 7 o'clock, he remained there nearly three hours, painting that striking signboard: "The Sherwin-Williams Paint Covers the Earth." It is needless to say that the walk was crowded in front of the store all evening, proving a great advertisement for Sherwin-Williams, as well as ourselves.

CARTER BROS.

Picton, Ont., August 10.

P.S.—After three years' handling the Sherwin-Williams paint, we can hardly express gratitude enough to **HARDWARE AND METAL** for the good things we got, in getting the paint. It was through reading Mr. Walter Cottingham's advertisement in **HARDWARE AND METAL** that we were

induced to handle that paint. If we hadn't taken **HARDWARE AND METAL** we would not have seen the ads., and would have lost an article that has increased our business 400 per cent.

CARTER BROS.

TORONTO PATENT AGENCY.

In another column of this issue is a card of The Toronto Patent Agency, Limited, Toronto, Canada, incorporated and chartered under the Ontario Companies' Act, to do the general patent agency business. This is the only incorporated company of its class in Canada, although in England there are many and very prosperous concerns of this class. It is composed of many of Toronto's leading citizens, and on its list of stockholders are many well known inventors and patentees. Those having business to do with the company can depend on honorable treatment and on having their business well looked after. The managing-director, Mr. J. Arthur McMurry, is a man well known to the business community of Canada. The company has established offices in all the principal cities of Canada and the United States.

To keep turpentine from becoming cloudy or viscid add to each vessel a few small pieces of quicklime.

TRADE CHAT.

THE Newmarket, Ont., Council intends submitting a by-law to the voters to sanction a gift of \$5,000 to the Specialty Company, of that place.

There is talk of a new carriage factory commencing operations in Brantford, Ont.

Charter Smith has reopened his foundry in Durham, Ont., and is rushed with work.

An acetylene gas plant has been placed in McGee's hardware store, Fenelon Falls, Ont.

The new factory of the Verity Plow Works, Brantford, Ont., is finished, and most of it is already running.

The Eastern Townships Chrome Iron Mining and Milling Co., with headquarters at Montreal, has been incorporated, with a capital of \$50,000, in \$50 shares.

The employes of the John Bertram & Sons Co., tool manufacturers, Dundas, Ont., will hold their annual excursion to-day (Saturday), going to Niagara Falls.

A telephone system with an electric call is being placed in the Galt foundry by which any of the mechanics, by pressing a button, finds an assistant ready to help him or take orders, etc.

The Cranbrook, Ont., Herald states that arrangements have been made for the building of a smelter and refinery there and for the installation of a plant for generating electricity to the extent of 2,000 h. p.

A Detroit inventor has patented a machine for manufacturing needles, which, he claims, will revolutionize that industry. His machine makes 40 to 50 needles a minute, and is expected to bring the cost down to 20c. per 1,000.

To gild glass and porcelain, use the following mixture: Lavender oil, 900 parts; chloride gold, 100 parts; bismuth subnitrate, 5 parts, and chrome green, 50 parts. Apply, allow to dry, and heat in a muffle furnace.

The Waterous Engine Works Co., Ltd., Brantford, Ont., are building a crane for lifting the heavy machinery, etc., in their works. It will have a lifting capacity of 80 tons, and a span of 80 feet. It will be located in the machine shop and run on T rails the entire length of the building, which are laid on either side about 40 feet in the air from the floor.

HE WAS WELL RECEIVED.

Mr. Bishop, of Bishop & Co., London, Birmingham and Sheffield, general exporters and wholesale hardware and cutlery merchants, has been spending the past week in Montreal looking into the prospects of business in Canada. He sailed from Boston to-day. Speaking to a representative of

HARDWARE AND METAL, he said he was much pleased with what he saw of Canada, and especially of Montreal. He speaks French and Spanish fluently, and this was a great help to him in visiting the trade there. He visited all the large firms in Montreal, and was well received. He found his goods and prices were right, and he leaves Montreal greatly encouraged with the prospects of future business. The Messrs. Bishop do a large continental trade as well as being large shippers to the West Indies. Alex. Gibb, of 22 St. John street, Montreal, has been appointed sole agent for Canada.

THE LATE BENJAMIN IBBOTSON.

Benjamin Ibbotson, hardware dealer, 208 Queen street west, Toronto, who recently died at his home after three months' illness from cancer, was born in Sheffield, England, and came with his parents to Canada about 36 years ago. His father commenced business, about 25 years ago, on Francis street, as cutler, etc., and still continues in that stand. Mr. Ibbotson commenced business for himself about 17 years ago at the Queen street stand, and continued the management of it till illness compelled his retirement. Then a younger brother, G. H. Ibbotson, who had been employed in the R. S. Williams & Sons Co., Limited, Oshawa, assumed the management of the business.

Mr. G. H. Ibbotson is a thoroughly practical cutler, and intends to keep his business as bright and progressive as ever.

GOOD NORTHWEST TRADE.

The trade in heating apparatus is unusually brisk this fall. The Gurney Foundry Co., Limited, Toronto, established this year an agency in Winnipeg for their Northwest business, and they report that the increase of Northwest business in all kinds of heating apparatus this summer has been remarkable. The demand throughout all Canada has been excellent, but the demand from Manitoba and the Northwest is especially so.

The Gurney-Tilden Co., of Hamilton, also report an exceptionally brisk sale of all classes of heating apparatus. Their Northwest business, like that of their Toronto rivals, shows somewhat greater increase than the business in Ontario and the east.

The Brantford city council has agreed to fit up the westerly portion of the Waterous building in that city, at a cost of \$1,000, and will give it to the Bailey Cutlery Co. for ten years, at \$100 per year, and will exempt the company from taxes for the same period. The company agree to expend \$4,000 on machinery, and employ fifteen adult hands ten months during the first four years and 25 hands afterwards.

GILBERTSON'S

"COMET"

BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . . 22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

WHOLESALE
HARDWARE

37 Front Street West

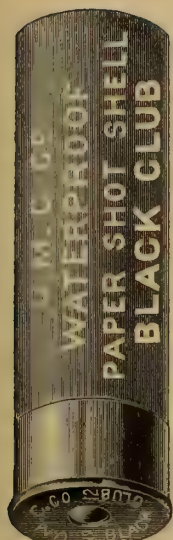
TORONTO

THE AMERICAN POWDER MILLS

CELEBRATED

GUNPOWDER

UNSURPASSED BY SIMILAR GRADES OF
ANY MANUFACTURE.



Cartridge Cases

Ely's, U. M. C.
and Dominion.

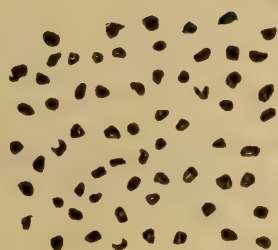
Metallic Cartridges

U. M. C. and Do-
minion.

Fuse

Hemp, Single
and Double.
Tape.

Gun Wads



Dead Shot, FG.



"DEAD SHOT"



Dead Shot, FFG.



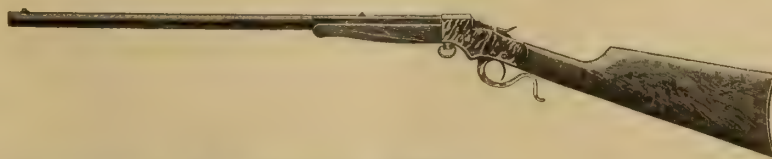
Loaded Shells

U. M. C. and Do-
minion.

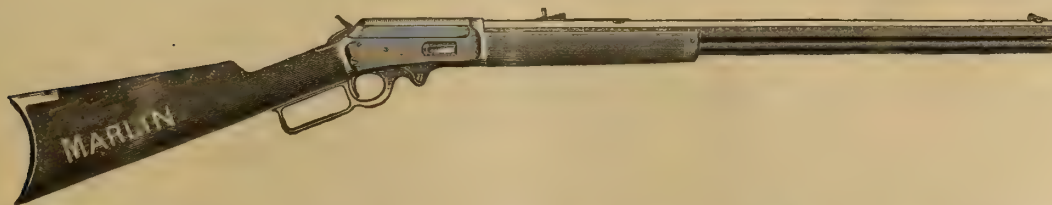
Gun Caps and Primers

Smokeless Powders Schultze

A most remarkably and universally popular Brand for general *FIELD* and *TRAP* shooting. Has for thirty years steadily grown in favor in the United States. *STRONG, UNIFORM*, can be *USED ALL DAY* without cleaning the gun: being a *MOIST BURNING* Powder, it is, for every day use, the sportsman's favorite. *DEAD SHOT* is packed in air-tight metal packages, each containing twenty-five pounds.



"Stevens Favorite Rifles."



Piper's Guns, Winchester and Marlin Rifles.

LARGE ASSORTMENT

GRAHAM Cut and Wire Nails are the Best.

CLOSE PRICE

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

ALEXIS TRUDEAU, general merchant, St. Brigitte Des Saults, Que., has assigned to Alex. Desmarteau.

J. A. Bussier, grocer, Quebec, has assigned.

Henri E. Bourdon, grocer, Montreal, has assigned.

Nil Cayouette, sawmill owner, St. Moise, Que., has assigned.

T. Brousseau, tinsmith, St. Honore De Shealey, Que., has assigned.

PARTNERSHIPS FORMED AND DISSOLVED.

Thos. Michaud & Cie., general merchants, Montreal, have dissolved.

Coutoure & Bouthillier have registered partnership as plasterers in Montreal.

Partnership has been registered by the McKay Metallic Fastening Association in Montreal.

Matthew and Wilbert Bell have registered partnership under the style of Bell Bros., coal and wood dealers, Montreal

Young & Brace have formed a partnership and have bought out Mrs. B. P. King, general merchant, Shelburne, N.S.

Edouard P. Plante and Jean B. Huot have registered partnership under the style of Plante & Huot, electricians, Montreal.

Alphonse Potvin and Prudent Potvin have registered partnership under the style of Alphonse Potvin & Cie., contractors, St. Johns, Que.

SALES MADE AND PENDING.

J. M. Citron, general merchant, Thomson's Landing, B.C., is advertising to sell out.

F. C. Boles, hardware dealer, Brooklyn and Nelson, B.C., has sold out his Brooklyn branch.

The stock of Gibeau & Co., general merchants, South Durham, Ont., has been sold at 72½c. on the dollar.

The assets of the Bowmanville Rubber Co., Limited, (in liquidation), are advertised for sale by tender.

The assets of J. B. Boisvert, general merchant, St. Hilaire, Que., are to be sold at auction on August 12.

The stock of the estate of the W. E. Gillespie Co., Limited, Penetanguishene, Ont., has been sold at 46c. on the dollar.

The stock, etc., of the estate of Irwin & Gildart, manufacturers of brass goods, London, Ont., are advertised for sale by auction.

CHANGES.

Davison Bros., general merchants, Hantsport, N.S., have gone out of business.

T. H. Baker, general merchant, Hawkestone, Ont., has sold out to T. A. Stone.

The Hardwood Lumber Co., of Toronto, Limited, have been incorporated.

F. J. Hughes, harnessdealer, Watford, Ont., has sold out to H. F. Aylesworth.

The premises of J.A. Girard & Co., hardware dealers, Quebec, have been closed.

The Dodge Manufacturing Co., of Toronto, Limited, have been incorporated.

J. B. Mathers, lumber dealer, Glenboro', Man., is reported to have sold out to B. Clark.

Susan Ball, dealer in stoves and tinware, Chatham, Ont., has sold out to George Stephens & Co.

R. O. Y. Ainslie, general merchant, Comber and Bothwell, Ont., has closed his Bothwell branch.

FIRES.

Thomas Myers, blacksmith, Almira, Ont., has been burned out.

Oct. Masse, sawmill owner, Trois Pistoles, Que., has been burned out.

Paul Gelinis, general merchant, Grand Mere, Que., has been burned out.

The factory of the St. Lawrence Portland Cement Co., Montreal, has been destroyed by fire; insured.

TRAFFIC AT PARRY SOUND.

A Parry Sound despatch states that since navigation opened, April 19, up to June 30, some 43 vessels arrived in that port, from United States ports, loaded to the gunnel with corn, wheat and other freight for distant points, while 37 vessels have arrived from Canadian ports. The total registered tonnage for all these boats was 76,298 tons, which shows the extent and capacity of these vessels. All of the boats have gone from here fully loaded with package freight for American and Canadian ports. It has taken 5,000 cars to deliver the freight which these boats have carried away, and yet this trade is only in its infancy, the Ottawa, Arnprior and Parry Sound railway being a comparatively new road.

LARGE WHEAT YIELDS.

"John Dickenson, M.P.P., for South Wentworth, Saturday, threshed 900 bushels of wheat off 30 acres." That may be a good yield for Wentworth, but it is not in it with Essex, "The Garden of Canada." Messrs. Ainslie, of Tilbury West, threshed 617 bushels and 35 lb. from 14 acres. The acres were honest acres, being measured, and the weight was that of Mr. Stevens, of Chatham, who bought the grain.—Windsor Review.

According to reports the wheat yield this year will be enormous. McDougall Bros., of Erin township, last Wednesday, threshed 400 bushels from nine acres. A farmer in Puslinch claims that his wheat will yield 50 bushels to the acre. Oats, owing to the dry, hot weather, will be below the average.—Guelph Herald.

Emery and Hardware SpecialtiesHamilton, Ont. **COOKE HARDWARE CO.**

PICTURE CORDS, SHADE CORDS, PICTURE and SHADE HARDWARE, SOLID BRAIDED CORDAGE, BICYCLE DRESS GUARD LACING.

.....Ask your jobber for our goods

THE OSSAWAN MILLS CO.

Norwich, Conn., U. S. A.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring.
"The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety, Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.

Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.

Wholesale trade only.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of
Tinplates, Tinned Sheets, Terne Plates, Canada Plates Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets Norway Iron and Steel, Wheelbarrows, etc.

The Fork Handle Season is now on.

We have a very heavy stock—can ship promptly, and supply the best. Kindly write us for prices and secure samples before booking your orders for Axe Handles for Fall Shipment. We will be in a position to supply thoroughly seasoned goods, and of the finest quality of second growth hickory. We make a specialty of

**"Hand Shaved"
Octagon Axe Handles**
(Made by Indians)

being the largest dealers in Canada in this line. Can give exceptional value in this handle for fall business.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.

BUSINESS FOR SALE.

BUSINESS OPENING IN B.C. AN OLD ESTABLISHED Hardware, Plumbing, and Tinning Business for sale, in one of the best growing towns in the West. Electric light and waterworks. Good, clean stock. Address, BUSINESS, care HARDWARE AND METAL. (34)



SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for Heating Apparatus," will be received until Monday, 22nd inst., 1898, for the construction of a heating apparatus in the public building at Arnprior, Ont.

Plans and specifications can be seen and form of tender and all necessary information obtained at this department and at the office of the Clerk of Works, Arnprior, Ont.

Persons are notified that tenders will not be considered unless made on the printed form supplied and signed with their actual signatures.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Honourable the Minister of Public Works, equal to ten per cent. of amount of the tender, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order,

E. F. E. Roy,
Secretary.

Department of Public Works.
Ottawa, Aug. 5th, 1898.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (34)

SNAP IN PATENTS.

I will sell outright or sell an interest in the manufacture of several useful inventions in the sheet metal line. The articles show a good profit and are saleable everywhere. This is a snap. Manufacturers make a note and write

O. A. SMITH,

Clarkston, Mich., U. S. A.

The Toronto Patent Agency

Limited

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General Patent Agents in procuring Home and Foreign Patents and all matters pertaining to Patents and Patent Causes, also the buying and selling of Patents, and the Organizing and promoting of Joint Stock Companies. List of 500 inventions wanted and list of Canadian Patented inventions for sale, mailed to any address free, address

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Telephone 689.
Cable "LeVesconte" Toronto.

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

COLIN McARTHUR & CO. 1030 NOTRE DAME ST. MONTREAL

Our Representatives are now on the road with the finest line of Samples of Wall Paper ever produced. Wait and see them before placing your orders. Our line comprises from the cheapest Brown Blanks to the finest Embossed Gilt, also Ingrains with Ceilings and Borders to match.



TRADE IN OTHER COUNTRIES THAN OUR OWN.

THE BELGIAN GLASS MARKET.

THE Belgian window glass market remains decidedly active, says *Moniteur de la Ceramique et de la Verrerie*, in its review of July 1. The demand from Great Britain and America continues quite brisk, and prices are being upheld firmly. On the other hand, it should not be overlooked that the cost of production is steadily increasing in Belgium.

The tone of the plate glass market has gained renewed strength from the report that prices for Great Britain have been advanced by reason of a well sustained increase in demand. The fact is borne out by export statistics. The total export for May aggregated in value the amount of 1,820,761 francs, as against 1,716,550 francs in May, 1897 and 1,693,182 francs in May, 1898. The totals for the first five months of 1896, 1897, and 1898, were as follows:

	Francs.
1896.....	7,857,578
1897.....	6,937,855
1898.....	8,439,401

PIG IRON IN PITTSBURG.

There is more life shown in pig iron this week than there was at last report, but it is mainly in Bessemer. Mill and foundry irons are decidedly quiet, with the demand small and only a few unimportant sales are reported this week. It is stated that one of the largest consumers of Bessemer in this district bought over 40,000 tons this week, but the figure is not given. The valley furnaces are still asking \$10 for Bessemer at the furnace, but sales are being made at \$10.25 Pittsburg, with deliveries extending over several months. On the whole, prices remain about where they were at last report.—American Manufacturer.

PIG IRON FIRMER IN BRITAIN.

The market for pig iron has shown a firmer tendency this week. The tremendous strength of the market for finished material is reacting on crude iron, and the reasonable probability is that pig iron will continue to harden in price. Shipments of Scotch pig iron are fairly maintained. The exports of hematite pig iron from the West Coast ports continue to increase, and this has once more become statistically the strongest branch of the crude iron trade.—Iron and Steel Trades Journal, July 30.

TINPLATES IN WALES.

There has been a fair shipment of tinplates during the week, with a decreased stock. The selling prices have slightly improved, makers firmly holding out for the quotations given below. There are a large

number of mills laid off from work, including Upper Forest, Worcester, South Wales, Cwmhwria, and Vernon of recent stoppage, and so far there is no immediate prospect of their restarting; thus there is a considerable reduction in the make. The mills now at work are obliged to pay a considerable higher price for coal, while the selling price of plates has remained almost stationary all through, so that tinplate makers are great sufferers by the continuation of the colliers' strike.—Industrial World, Swansea, July 29.

U. S. WIRE NAIL MARKET.

Some of the mills are starting the month of August with broken assortments of wire nails, resulting in part from the annual close down in July. During the latter part of the month it became necessary to hold some orders to fill complete in August. The volume of business for the past month was moderate, as usual; a large distribution of nails for July not being expected. The tone of the market has not gained strength, and nails are still obtainable in round lots at \$1.25 f.o.b., though many orders are booked at \$1.30 in carload lots to the large trade, with the usual differential to smaller buyers, with occasional concessions. Manufacturers are not, as a rule, accepting contracts for future delivery, but require specifications with order for prompt shipment.—Iron Age.

BILLETS IN ENGLAND.

The Carnegie Steel Company has received a contract for 30,000 tons of 2½-inch billets for the English market. The billets are probably for use in the manufacture of bolts. The company has also an order for 10,000 tons of plates for the city water works of Sydney, Australia.

BETTER IRON AND STEEL TRADE.

The iron and steel trade has experienced a considerable increase of activity. Exceptionally heavy demands continue to be reported for materials for manufacturers of agricultural implements and cars, for plates for export and for shipbuilding materials. One Pittsburg mill has made a very heavy purchase of pig to supplement the production of its own furnaces. Orders for rails are light, but The Iron Age believes that in the next few years there must be a much heavier demand for steel rails than in the recent past for the purposes of renewals, and for replacing light sections with sections adequate to the growing trade. There has been some shipment of billets to England, and orders have been accepted, or are under consideration, for rails for Japan and Mexico. Pipe founders have taken some substantial orders.—N.Y. Journal of Commerce.

NEW YORK MARKETS.

PIG TIN—There was a further rise in prices here and in London, and the market showed decidedly strong tone that seemingly bothered the manipulators of quotations on this end of the line. Business was effected at 16.05c. net in store, and 16.10 to 16.15c. free on board for lots of five tons and over. To all accounts about 100 tons were sold outside, but not one ounce within the Exchange. London moved up to £73 15s. for prompt delivery, with futures at 7s. 6d. premium.

COPPER—In the export line there is still a free movement, and the prospects for its continuing are considered favorable. The home trade movement is not relatively as good, although of fairly liberal proportions. Production is, to all accounts, proceeding on a large scale, and afforded sufficient surplus supply to keep values rather soft. Lake Superior ingot was freely offered at 11½c., and could probably have been purchased at a fraction less for September and October delivery. Electrolytic is nominally 11¼ to 11½c. for bars, etc., and casting stock about 11½ to 11¼c. for common. London was a shade higher, and, according to some private cable advices, largely under speculative control.

PIG LEAD—Business in common domestic at 4c. referred to in yesterday's report was partly duplicated, and a number of bids of 3.95c. were refused. In fact, it looked very much as though natural trade conditions had pinned the market very firmly for the time being, at least at the 4c. basis. Most holders are asking a further advance.

SPELTER—Dealings are still on a moderate scale here, and operations in the West show some falling off as compared with the movement latterly. Prices are showing only slight variation, and may still fairly be quoted on the basis of 4.50c. for ordinary brands delivered here.

ANTIMONY—Dealings are moderate but sufficient to enable holders to keep prices firm at 9 to 9½c. as to brand and quantity.

TIN PLATE—The market in this quarter remains spiritless. Spot business is almost wholly on hand-to-mouth lines, and comparatively few orders are being placed for futures.

IRON AND STEEL—All crude and partly finished goods are barely steady in price and slow of sale. Manufactured goods such as rails, track supplies, beams and kindred steel, common and refined bars, etc., remain quiet.—N.Y. Journal of Commerce, August 10.

ANNOYANCES IN BUSINESS.

IN business, every day almost has its petty annoyances, often of comparative insignificance, yet, taken in the aggregate, consume a great deal of energy to straighten them out, writes "Observer" in Iron Age. They are little things, but that is no reason why they should not be fairly considered, as proper attention to just such details often has great influence with the trade.

For instance, the retailer remits for a bill to his jobber and deducts the cash discount 10 or 20 days late. The amount in question may be small, but the principle involved is what sticks in the crop of the office man. He is anxious, perhaps, to educate the customers of the house "how to do business." These attempts are generally futile, as they not only fail in the accomplishment of the purpose intended, but tend to drive away a customer.

Then, again, there are people who, when settling their accounts, always have some deductions to make. It may be a claim for overcharge on some article, or that some of the goods were shopworn or damaged, or some of the parts were missing—anything for the sake of getting a reduction.

If they have no cause for complaint they must have something off, so they remit a few cents short.

Or they may wish to return some articles which they bought but find now they do not want, and return it, allowing the merchant to pay return freight.

The number of people who are thus an annoyance to merchants are, happily, comparatively few in number, but how to treat them without offending them is the question.

Although one may be tempted to retaliate and feel annoyed at what seems unwarranted and unreasonable demands, yet "discretion is often the better part of valor," and we think it is better to pocket the loss and look pleasant.

There are always disagreements which involve small sums, and the trouble is that to have them adjusted on a right basis may cause the loss of a customer. Perhaps it is better to grant these demands, and if so it should be done gracefully and in an off hand manner.

The reputation a merchant gets by prompt and liberal dealing with these unreasonable people is worth more than it costs.

Of course it is taken for granted that when such people become known at the store they must pay more for their goods, and will not obtain such close prices as the man who, though careful to get as low a price as possible, always settles his bills promptly on time and does not ask for a rebate.

HOME-MADE FIRE GRENADES.

It is always desirable to be prepared for an emergency such as an outbreak of fire, and the hand fire grenade often comes in timely, says an exchange. A form of hand grenade can easily be made at a very little cost. If 20 lb. of common salt and 10 lb. of sal-ammoniac are dissolved in 7 gals of water, and the mixture afterwards put into quart bottles of thin glass, the grenades so made will be found very efficient for extinguishing small outbreaks of fire. The bottles should be tightly corked and sealed so as to prevent evaporation, and when a fire occurs they must be thrown in or near the flames so as to break, and thus liberate the gas contained, to effect the desired object.

LONG STRING OF GEM JARS.

The Galt Reporter has been hunting up information in regard to fruit preserving, and has given out the following estimates for that town: "Some 20,000 glass sealers arrive every year. Distributed among 1,800 houses gives an average of 11 to each house. Taking into consideration the stock each household has on hand, besides this, and the figures run up to 60,000. If all these jars were placed close together and hung on the trolley wire, it would take the length of the road entire, from the termini at Galt and Hespeler, to contain them all, while if they were laid end to end they would reach from Galt, along the Stone Road, to Berlin."

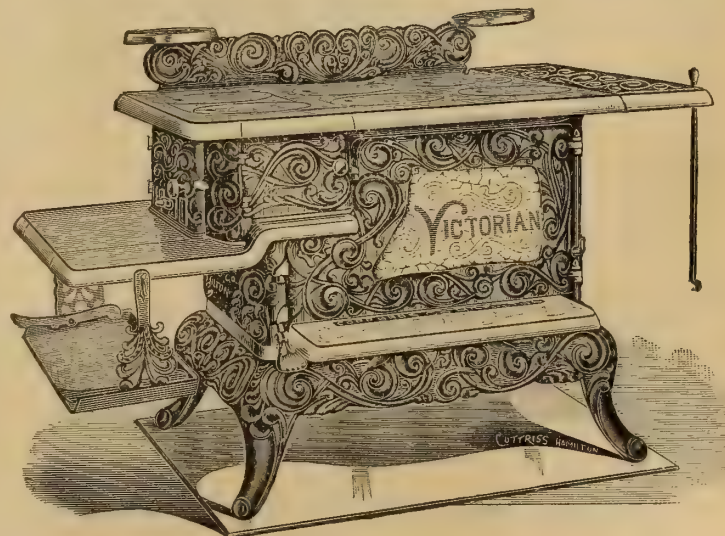
VICTORIAN RANGE

FOR WOOD

Made square, and with reservoir. Supplied with high shelf, also high closet. Water fronts for all sizes. Ventilated, magnificently shaped steel or cast oven. Fine roomy fire box and fire door. Nicked outside. Portable oven shelf. Large hearth. Patent reversible duplex shelf. Deep ash pit. Roomy flues, ensuring a splendid draft. Front shaking grate. Novel toast rack. Ornamentation and general style of the latest type—beautiful, chaste, attractive.

These are some of the valuable features of our line of Victorian Ranges. They are rapid and profitable sellers, and we guarantee them perfect in operation.

The Trade will find the line the most desirable to secure sale of in Canada.



Nos.	Size of Oven.	Number and Size of Holes.	Length of Wood.
9-22.	22 in. long, 21 in. wide, 12 in. high, 15 in. on rack.	Four 9 in. and two 6 in.	25 in.
8-24.	24 in. " 22 in. " 13 in. " 16 1/2 in. "	Six 8 in.	26 in.
9-24.	24 in. " 22 in. " 13 in. " 16 1/2 in. "	Four 9 in. and two 7 in.	26 in.
9-26.	26 in. " 23 in. " 14 in. " 18 in. "	Six 9 in.	27 in.

THE COPP BROTHERS CO., Limited - **Hamilton, Ont.**

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, August 12, 1898.

HARDWARE.

BUSINESS in wholesale hardware circles is quiet, which is not unnatural at this season of the year, but, though this is so, trading is not absolutely stagnant, for there is enough going on to keep the different staffs moderately busy. Few or no changes of importance are to note, but values, as a rule, are steady in tone. Bolts, screws, horseshoes, and horse nails contribute most of the business, and building paper is also enquired for to a moderate extent. Other lines, while not utterly neglected, are dull.

BARB WIRE—Business is extremely dull, and jobbers here have not altered their price, which is still \$2 f.o.b. Montreal.

PLAIN WIRE—Dull, with discounts the same 40 per cent. on annealed, and 35 per cent. on galvanized.

WIRE NAILS—A fair lot of orders for small lots are noted, while prices range from \$1.75 to \$1.80.

CUT NAILS—There are only a few small lots moving and the base price is unchanged at \$1.75 f.o.b. Montreal, Toronto, Hamilton and London.

HORSE NAILS—Trade is much the same as it was last week, with standard nails at 50 per cent., and Acadia 50 and 20 per cent. discount.

HORSESHOES—Demand is quiet and the movement is smaller. We quote as follows: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35.

SCREWS—The movement is restricted to small lots. Discounts are: Flat head bright, 87½ and 10; round head do., 80 and 10; flat head, brass, 82½ and 10; round head brass, 75 and 10. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75 and 10.

BOLTS—There is a fair business in carriage and tire bolts. Discounts are: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65

and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS, ETC.—Trade is fairly brisk in copper rivets. Discounts are as follows: Iron, black and tinned, all sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Business is quiet and prices unchanged. We quote: Sisal, 7-16 and up, 10½ c.; ¾, 11 c.; 5-16 and ¼, 11½ c., and 3-16, 12 c.; manilla, 7-16, 12¾ c.; ¾, 13¼ c.; 5-16 and ¼, 13¾ c., and 3-16, 14¼ c.

CLOTHES WRINGERS—Dull but steady at \$29.

BELTING—Both rubber and leather belting have been in fair request, and prices are steady.

HINGES—Without particular feature, demand continuing fair. Prices rule steady.

SPADES AND SHOVELS—Discounts remain at 40 and 10 per cent., and business is very quiet.

TOOLS—Quiet, business being almost nil.

BUILDING PAPER—Orders are mostly for small quantities, and prices are steady.

STOVE AND TINMEN

Why not Buy where you can obtain **EVERYTHING YOU REQUIRE** at prices as low as any?

We make or supply nearly

100 distinct patterns of Stoves.

11 distinct patterns of Furnaces.

HOT AIR REGISTERS, HOLLOW WARE, ETC., COAL OIL, AND GAS STOVES.

Enamelled Wares . . .

Stamped and Pieced Tin Wares, Japanned Wares, Tinnings' Trimmings and Supplies, Metals, etc., in fact, everything required for the **Stove, Tin, and Furnace Trades.**

Branch Warehouses at Montreal, Toronto, Winnipeg, and Vancouver, supplying the trade promptly in any part of the Dominion. **A trial order will convince you.** If you have not our catalogue, write our nearest house.

WHEN YOU WANT YOUR GOODS QUICK, ORDER FROM **McCLARY.**

The McCLARY MFG. CO.

HEAD OFFICE
AND WORKS

London

APOLLO BEST BLOOM GALVANIZED IRON.

Apollo galvanized iron is best.
Second-best is far below it.

Apollo Iron and Steel Company
Vandergrift Building
Pittsburgh, Pennsylvania.

Fire Bricks and Fire Clay Boiler Seating Blocks Gas Retorts Stove Linings and Grate Backs Portland Cements

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

FACTORIES

...MONTREAL

CUT NAILS

Clinch and Pressed Nails,
Horse Shoes (Steel and
Iron), Railway and Pressed
Spikes, Mine and Wharf
Spikes, Drift Bolts, Wash-
ers (Steel and Iron).

CANADA IRON FURNACE CO.,

Manufacturers of Limited.

CHARCOAL Pig IRON

MONTREAL.

BRAND "C.I.F." THREE
RIVERS

PLANTS AT

Radnor Forges, Que.
Lac a lac Tortue.

Three Rivers.
Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

CEMENT—Trade in cement fair and values steady. We quote: English, \$2.25 to \$2.35; German, \$2.30 to \$2.45; Belgian, \$1.80 to \$2, and Canadian \$1.60 to \$1.80.

FIREBRICKS—Dull but steady at \$16 to \$21 per 1,000, as to brand.

METALS.

There is a steady, quiet trade passing in heavy iron and metals, and values as a rule are steady.

PIG IRON—Business quiet and values unchanged. We quote as follows: No. 1 Hamilton, \$15 to \$16; No. 2, \$14.50 to \$15; Ferrona, \$15; Siemens \$15, and Summerlee and equal brands, \$17, ex wharf, and \$18 to \$18.50 ex yard.

BAR IRON—Rules dull but unchanged at \$1.35 to \$1.40, as to quality.

HOOPS AND BANDS—Trade is still confined to small dimensions, and price steady at \$1.75 to \$2.

SHEET STEEL—Trade is fair and values are rather firmer. We quote: 12 gauge, \$2.20 per 100 lb.; 16 gauge, \$2.35; 18 to 20, \$2.25 to \$2.35; 22 to 24, \$2.25 to \$2.35; 26, \$2.30 to \$2.40; 28, \$2.40 to \$2.50; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lb.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26, \$3.75.

SHEET IRON—Business is well maintained. We quote: \$2.15 on 10 to 16 gauge; \$2 on 18 to 20 gauge; \$2.10 on 22 to 24 gauge; \$2.20 on 26 gauge, and \$2.25 on 28 gauge.

GALVANIZED IRON—Business is quiet from stock and import dealing is quiet. We quote: "Queen's Head," No. 28, \$4.10 to \$4.15, and "Comet," do., \$3.75.

INGOT COPPER—There have been some orders booked and prices are unchanged at 13c.

SHEET COPPER—Dull and unchanged at 15½c. for 16-oz., and 16½c., for 14-oz.

INGOT TIN—Continues firm, higher prices being asked this week, "Straits" being quoted at 17½c. and "Lamb" and "Flag" 18c.

PIG LEAD—Trade quiet and prices unaltered at \$3.80.

IRON PIPE—Both plain and galvanized pipe has been enquired for. We quote as follows: Black pipe, ¼-inch and ⅜-inch, \$1.95; ½-inch, \$2.20; ¾-inch, \$2.65; 1-inch, \$3.65; 1¼-inch, \$4.75; 1½-inch, \$6.25, and 2-inch, \$8.25. Galvanized, ½-inch, \$3.85; ¾-inch, \$4.70; 1-inch, \$6.50; 1¼-inch, \$9; 1½-inch, \$11.50, and 2-inch, \$16.

LEAD PIPE—As last reported: Composition waste, 7½c., and lead pipe 7c., with discount 25 per cent.

CANADA PLATES—There is only a moderate business for prompt delivery, and values are firm: 52's, \$2.15 to \$2.20; 60's, \$2.30, and 75's \$2.40 to \$2.45. Full polished, \$3.

Steel of all kinds

Sanderson's

Cast Steel for Tools, Dies, Drills, Cant Hooks, etc.
A good assortment in stock.

"Gautier"

Merchant Steel, Bessemer and Open Hearth, for all purposes. Agricultural steels and finished shapes a specialty.

Sheet Steel, dead flat or ordinary, in all grades

A. C. LESLIE & CO.

Montreal.

"GREENING'S

Cow Ties."

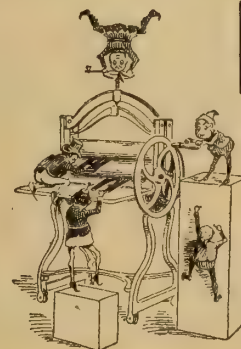
These Cow Ties have stood the test for years. Undoubtedly the best and strongest on the market.

It will pay to handle only the best.

A complete line of all sizes ready for shipment.

For sale by all jobbers.

The B. Greening Wire Co., Limited
MONTREAL AND HAMILTON



Mangles

Always in season,
but especially so
in hot weather.

Three different
kinds—send for
Catalogue.

Should be univer-
sally used.

THE DOWSWELL MANUFACTURING CO., Limited
Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers,
Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

TIN PLATE—Business continues light in these, with values firm. We quote as follows: Coke, I.C., \$2.90 to \$3.25; charcoal, I.C., Allaway or Comet brands, \$3.25; do, I.X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I.C., \$3.95; do. I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Steady, but quiet at \$6 to \$6.25.

TINNED IRON—A quiet business is noted and values are firm.

COIL CHAIN—Orders are fair and values steady. We quote: $\frac{1}{4}$ -inch, \$5; 5-16, \$3.50; $\frac{3}{8}$, \$3.25; 7-16, \$3.15; $\frac{1}{2}$ -inch, \$3, and $\frac{5}{8}$ up, \$2.85.

SHEET ZINC—Cask lots are quoted $5\frac{3}{4}$ to 6c.

SOLDER—Trade is steady and values firm at 11 $\frac{1}{2}$ c.

ANTIMONY—Prices are well maintained at 9 $\frac{1}{4}$ to 9 $\frac{1}{2}$ c.

SPELTER—Fairly good demand at \$5.40 to \$5.50.

SCRAP IRON—Quiet, with business in No. 1 wrought at \$12.50 per ton.

GLASS.

There has been a fair trade in glass during the past week, and values are steady. We quote: First break, \$1.50; second, \$1.60 per 50 feet; first break per 100 feet, \$2.80; second, \$3; third, \$3.30; fourth, \$3.50; fifth, \$3.70; sixth, \$4.25, and seventh, \$4.75.

PAINTS AND OILS.

Business has been very quiet during the past week and without special feature. Linseed oil is barely so firm, but the nominal quotation remains as formerly. Turpentine is gaining strength at shipping points, and a little improvement in local prices may be looked for, meantime, business can be done at former figures.

WHITE LEAD—Best brands, Government standard, \$5.62 $\frac{1}{2}$; No. 1, \$5.25; No. 2, \$4.87 $\frac{1}{2}$; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4 $\frac{1}{2}$ c.; kegs, 4 $\frac{3}{4}$ c.; No. 1, casks, 4 $\frac{1}{4}$ c.; kegs, 4 $\frac{1}{2}$ c.

WHITE ZINC PAINT—Pure, 6 $\frac{1}{2}$ c.; No. 1, 5 $\frac{3}{4}$ c.; No. 2, 5c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 49c.; boiled, 52c., five-barrel lots one cent less net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 43c.; large lots, 1c. less, the same terms as linseed oil.

PARIS GREEN—Pure, in barrels, 16 $\frac{1}{4}$ c.; 250-lb. kegs, 16 $\frac{1}{2}$ c.; 50 to 100-lb. drums, 17c.; 1-lb. packets, 18c.; 1-lb. tins, 18 $\frac{1}{2}$ c.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8 $\frac{1}{4}$ to 8 $\frac{1}{2}$ c.

SEAL OIL—37 to 40c.

COD OIL—Supplies light, and prices firm at 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4 $\frac{1}{2}$ to 5 $\frac{1}{2}$ c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

There has been no change in hides. Lambskins are firm at 40c., and beef hides are steady: No. 1, 9c.; No. 2, 8c.; and No. 3, 7c.

PETROLEUM.

There is little change in petroleum, the market ruling firm at the rise. We quote: Canadian in small lots, 14c.; Crown Acme, 16c.; American prime white, 17c.; water white, 18c.; Pratt's astral, 19 $\frac{1}{2}$ c.

MONTREAL NOTES.

Mr. Alex. Gibb has received, per ss. Montara, a large consignment of count galvanized sheets, and all back orders are being filled.

ONTARIO MARKETS.

TORONTO, August 12, 1898.

HARDWARE.

WHILE there has not been much bustle in the wholesale hardware trade during the week, business has been by no means bad. For this time of the year, in fact, it has been good. A little movement is to be noted in barb wire, but there is practically nothing doing in ordinary fence wire. The demand has fallen off in wire nails, but in cut nails the volume of business is much about the same as it was a week ago. A fairly good movement in horse nails has been experienced during the week, and in horsehoes a little better demand is to be noted. Rivets and burrs and bolts are still in good demand. A fairly satisfactory trade is being done in belting. There have not been many changes in prices. The most important is a change in the discounts on wood screws by which prices have been advanced about 11 per cent. A change has also been made in bright wire goods, the discount being increased to 65 and 10 per cent.

BARB WIRE—There have been some transactions in carload lots during the week f.o.b. Cleveland at prices below the parity of the Canadian market. A few orders have also been booked for prompt shipment. We quote: Four point, \$1.85 f.o.b. Toronto and London, and two point at \$1.90. Terms, 30 days or 2 per cent 10 days. The price f.o.b. Cleveland is \$1.70 to \$1.75, according to quantity.

ORDINARY FENCE WIRE, ETC.—There is

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

Portland Cements

Best German, English and Belgian Brands

Calcined Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

ONTARIO LEAD AND
WIRE CO'Y, Limited

TORONTO.

Manufacturers of . . .

"Somerville's" Absolutely Pure
and Decorators' Extra

WHITE LEAD

also

"Ontario" Pure, Nos. 1, 2, 3 and 4.

Wire Nails . . .
Barb Wire and Staples
Ross Braid
Ribbon Fencing
Shot, Lead Pipe, and Traps

Importers and dealers in

PLUMBING AND
STEAM FITTERS' SUPPLIES

Factory—55, 57 and 59 Richmond St. East.

Office—54 and 56 Lombard Street.

Telephones—763 and 1092.

WRITE FOR OUR PRICES

We are the Oldest and Largest Manufacturers of

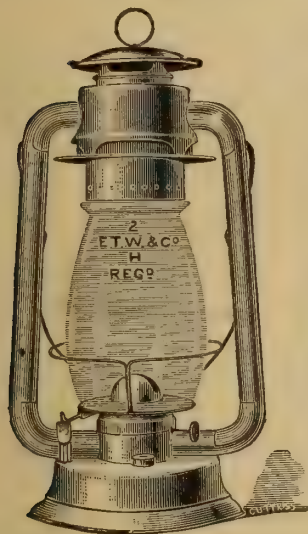
SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The...

John Morrow Machine Screw Co.
Ingersoll - Ontario.

E. T. WRIGHT & CO.



Manufacturers
of...

Tubular and
Cold Blast
Lanterns

Bird Cages
Mouse Traps
Flour Sifters

Stamped
Re-tinned
and Japanned

...TINWARE

HAMILTON - CANADA.

Before Building

Every one should know the economical advantages offered by using our

Sheet Metal Fronts Metallic Cornices Sky Lights, etc.



Cornice No. 1187.

They give durable, fireproof satisfaction—make old buildings handsome at slight expense and are invaluable for all new, up-to-date structures.

We make any pattern, shape or size desired by the trade.

Send for our catalogue and price list, and be prepared to give your customers full information.

METALLIC ROOFING CO., Limited

1179 King Street West, Toronto.

John Bowman Hardware and Coal Co.

180 to 182 York St. - LONDON, ONT.

Screen Doors

Woven Wire

Poultry Netting

Fence Wire

Paris Green

Harvest Tools

Builders' Hardware

Full stock of seasonable goods. Prompt shipment. Close prices.

The...
**Dominion
Wire
Manufacturing
Company,
Limited.**

Manufacturers of

MONTREAL.



TORONTO.

Iron, Steel,
Brass and
Copper ..

WIRE

WIRE NAILS and WOOD SCREWS
BRIGHT WIRE GOODS

STEEL and BRASS JACK CHAIN
"CRESCENT" COAT and HAT HOOKS

Ask for "Dominion" Goods.

Guaranteed and
SECOND TO NONE.

practically nothing doing in fence wire, but a good business is being done in hay-baling wire. Discounts are: Annealed, oiled and annealed, 35 per cent.; galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 35 per cent.

WIRE NAILS—Trade has fallen off considerably, shipments now only being small. The ruling quotation is still \$1.80 per keg, Toronto.

CUT NAILS—Trade is about the same as it was a week ago. Base price is \$1.75 per keg, Toronto, Montreal, Hamilton, London.

HORSE NAILS—There has been a rather good movement during the past week. Discount: Standard, 50 per cent.; Acadia, 50 and 20 per cent.

HORSESHOES—A slight improvement is to be noted, but business cannot be said to be brisk. We quote: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—The discounts on wood screws have been reduced, and prices are about 11 per cent. higher than they were. Discounts are as follows: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—A good trade is being done in carriage and stove bolts. Tire bolts are quiet. Quotations are as follows: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¾c.; hexagon, 5¼c.

RIVETS AND BURRS—Business is good, and is about equally divided between copper and coppered tin. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—There is very little doing although a number of enquiries for prices are being received. We quote as follows: Sisal, 7-16 in. and larger 10½c.; ¾ in., 11c.; ¼ and 5-16 in., 11½c.; Manilla, 7-16 in. and larger, 13c.; ¾ in., 13½c.; ¼ and 5-16 in., 14c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c.

CHURNS—Trade is quiet. We quote discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Quite an increase in business has been experienced during the past week. We quote: "New Leader" "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50.

BELTING—There is a good movement in both leather and rubber belting. We quote as follows: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

HINGES—Trade is not quite as active as it was, but fair quantities are still moving. We quote as follows: 6 to 12 inch, inclusive, at \$3.15 per 100 lb., and 14-inch and upwards at \$2.35; light T and strap, 70 and 10 per cent.; screen door hinges, \$6.50 per gross pair.

SPADES AND SHOVELS—Quiet. Discount, 40 and 10 to 45 and 2½ per cent.

BUILDING PAPER—Not much doing. We quote: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred.

WARE—Trade continues active in both tinware and granite ware.

CEMENT—The volume of business continues large. Canadian hydraulic is 10 to 15c. and calcined plaster 10c. cheaper. We quote in barrel lots: Canadian Portland, \$2.70 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.35 to \$2.50; Canadian hydraulic cements, \$1.00 to \$1.10; calcined plaster, \$1.90.

METALS.

The feature of the metal market is the upward tendency of tin.

PIG IRON—The market is quiet, with prices nominally unchanged. We quote as follows: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$11.80 per ton; No. 2 ditto, \$11.55; No. 1 Northern American soft, \$11.80; No. 2 ditto, \$11.55. Hamilton iron, No. 1, in 100-ton lots, is quoted at \$14, on track Toronto.

BAR IRON—Quiet. We quote base price \$1.45 to \$1.55 from stock, and \$1.35 to \$1.45 from factory.

HOOP AND BAND IRON—Trade is much about the same as it was a week ago. We quote: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—Trade is not active, although a fair business has been done.

We quote as follows: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Just a fair trade is being done. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Quite a number of orders for import have been booked during the past week, and a nice business has been done from stock. We quote as follows: Queen's Head (case lots), 16 gauge, 3¾c.; 18 to 24, \$3.87½c.; 26, 4¾c.; W. G. 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, \$4; 26 gauge, \$3.75; 22 to 24 gauge, \$3.50. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are ¼c. per lb. higher than figures named.

INGOT COPPER—Trade shows considerable improvement, but prices are easier. Figures now ruling are 12½c. for quantities and 12¾ to 13c. for small lots.

SHEATHING COPPER, ETC.—Dull. We quote: Sheathing copper, 15½ to 16½c., according to weight and quantity; braziers', 15½ to 17½c. per lb., according to gauge.

INGOT TIN—The market is much stronger, and local quotations are ¼c. per lb. higher. A few large sales have been made, and in general trade is fair. We quote: Straits, 18c. per lb.; Lamb and Flag, 18½c. per lb.

PIG LEAD—There has been very little doing this week. Prices are still about 4 to 4¼c. per lb.

IRON PIPE—Business is good, with prices unchanged. We quote: Black pipe, per 100 feet, ¼ to ¾ inch, \$2 to \$2.05; ½ inch, \$2.15 to \$2.20; ¾ inch, \$2.62½; 1 inch, \$3.60; 1¼ inch, \$4.75; 1½ inch, \$6.20; 2 inch, \$8.30. Galvanized, ½ inch, \$3.50 to \$3.80; ¾ inch, \$4.20 to \$4.60; 1 inch, \$5.85 to \$6.20; 1¼ inch, \$8.05 to \$8.25; 1½ inch, \$11 to \$11.25.

RANGE BOILERS—Trade is fair. We quote: Galvanized, 30 gals., \$5.25 to \$5.50; 35 gal., \$6.25 to \$6.50; 40 gal., \$7.25 to \$7.50; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES There is not much doing. Quotations as follows: Half-polished, 52-sheet boxes, \$2.35; ditto, 60-sheet boxes, \$2.40; dull, 75-sheet boxes, \$2.50; ditto, "Alaska," \$3.

TIN PLATES—Business is not quite as

good as it was a week ago. Prices are unchanged. We quote: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

TINNED IRON—Trade is moderate. We quote as follows: 5½c. in case lots for 22 to 24 gauge, and 2¾c. in lesser quantities; cut to size, 24 gauge, case lots, 4¾c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6¼c. for small lots.

COIL CHAIN—Business keeps fair. We quote as follows: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; 5/8 in., \$2.80; ¾ in., \$2.75.

SHEET ZINC—Business is much about as before. Cask lots 5¾c. and small quantities 6c. per lb.

SOLDER—Trade is steady. Strictly half-and-half, 12½c.; small lots, 13c.; standard, 11½c. per lb.

ANTIMONY—Trade is fair. We quote: Cookson's, cask lots, 10½c.; smaller quantities, 11c.; other makes, 8½ to 9c.

ZINC SPELTER—Trade continues fair at 5c. for ton lots, and 5¼c. for small quantities.

PAINTS AND OILS.

The midsummer quietness is everywhere evident, only a few small orders coming in. There is no change noted in prices here. In the South, turpentine has advanced somewhat. The feeling in regard to this article is decidedly firm, and while there is no probability of a decline, an advance may be looked for when the demand begins. Dry white lead is in much the same condition, advancing in the primary market, and firm here. Linseed oil is steady after the decline of 1c. last week. We quote:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantities.

STANDARD of
for
30 Years

NICHOLSON
FILES



**NICHOLSON
FILE CO.**
Providence, R.I., U.S.A.
Largest Producers in the World

BRITISH PLATE GLASS COMPANY, Limited.

Established 1773.

Manufacturers of **POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS.** Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass," St. Helens. Telephone No. 68 St. Helens.

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Standard Goods—
Warranted.

Files and Rasps

**CRESCENT
BRAND**

Files and Rasps



Manufactured by

GLOBE FILE MFG. CO.
Port Hope, Ont.

MONTREAL WAREHOUSE—30 St. Dizier Street.

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**BARCLAY'S PATENT "TRIUMPH"
Adjustable Stove Pipe**

Can be put up by the most inexperienced.
So constructed that when taken down can
be nested and stored in small compass.
In crates of twenty-five.

Manufactured by

G. B. BARCLAY

168 Adelaide St. W.

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NESTED.



The success of '98.

Clevelands

The highest type of that which is desirable
in cycle construction.

\$55.00 \$70.00 \$80.00
30-Inch wheels, \$100.00

Agents everywhere.

Write for Catalogue.

H. A. LOZIER & CO., Toronto Junction

PERSONS addressing advertisers
will kindly mention having
seen their advertisement in
Canadian Hardware and Metal
Merchant.

AGENTS WANTED.

ROBERT MARPLES & SON, SHEFFIELD, JOINERS' Tool and Garden Tool Manufacturers, require agents of first-class standing in Canada.

(35)

tity; lump, 10c. in small lots, and 8c. in barrels.

PARIS GREEN—Kegs, 16½c.; 50 and 100-lb. drums, 17c.; 1-lb. packages, 18c.; 1-lb. tins, 18½c.; cases, ½-lb. boxes, 19½c.

LIQUID PAINTS—Pure, \$1 per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 49c.; boiled, 1 to 4 barrels, 52c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 43c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

There is not much doing. The feeling, both here and in European markets is firm. We quote as follows: First break in 50-foot boxes, \$1.60, and in 100-foot boxes, \$3; double diamond, under 25 united inches, \$4.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL.

While the demand is limited, the feeling is so firm that all shipments would be accepted at, or somewhat above, the figures quoted, which are unchanged. We quote: Agricultural scrap, 45c. per cwt.; machinery cast, 52½c. per cwt.; stove cast scrap, 30c.; No. 1 wrought scrap, 40 to 50c. per 100 lb.; No. 2, including sheet iron and hoop iron, 10c.; new light scrap copper, 7¼c. per lb.; bottoms, 7c.; heavy copper, 7½ to 8c.; light scrap brass, 4 to 4¼c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2c.; scrap rubber, 3½ to 3¾c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—The feeling regarding cured hides is easier, a decline of ¼c. being noted. We quote: No. 1, 9c.; No. 2, 8c.; No. 3, 7c.; cured, 9½ to 9¾c.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—There is an excellent demand for lambskins and shearlings at 45c.

WOOL—The market is dull, with prices unchanged at 10c. for unwashed and 16c. for fleece.

PETROLEUM.

The demand is good. Prices are un-

changed, but are none too steady. We quote at Toronto, as follows: Canadian, 13½c.; Sarnia water white, 15c.; American water white, 16½c.; Pratt's astral, 16c., in bulk.

COAL.

There is little doing. Prices are steady and unchanged. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

MARKET NOTES.

The price of wood screws has been advanced 11 per cent.

Calcined plaster has declined 10c., and Canadian hydraulic cement, 10 to 15c.

Ingot copper is easier at 12½c. for quantities and 12¾ to 13c. for small lots.

Ingot tin is higher at 18c. for "Straits" and 18½c. for "Lamb" and "Flag."

The discount on brass goods has been increased to 65 and 10 per cent. It was formerly 65 per cent.

A SYNDICATE BUYER.

MR. KERRIGAN, who recently, as already noted in **HARDWARE AND METAL**, resigned his position as buyer for The Hobbs Hardware Co., London, is beginning business as a syndicate buyer. He says he has secured over fifty retail houses in different parts of Canada. He will buy for only one in each town.

The experiment will be watched with interest. Some of these buyers in the States have done well, but the majority have been failures. The chief objection to the scheme is that it leads to a demoralization in prices. The syndicate buyer supplies goods to his customers at the same prices as the wholesale houses are supposed to buy at. Retailers who get this advantage, unfortunately, do not, as a rule, take the increased profits, but, instead, cut prices to undersell competitors.

Some wholesale buyers feel strongly on the matter and have notified certain manufacturers that if they sell to this syndicate they will place no further orders with them.

PERSONAL MENTION.

Mr. Maximillian Morell, for some years city traveler for M. & L. Samuel, Benjamin & Co., is no longer a bachelor. He was married a few days ago to Miss Kathleen Hughes. **HARDWARE AND METAL** tenders congratulations.

James W. Lee, city traveler for the Toronto branch of The Canada Paint Co., is, for the time, a happy father. It is a girl this time.

Mr. W. H. Evans, of The Canada Paint

Co.'s Toronto staff, accompanied by Mrs. Evans, is enjoying the sea breezes down at Old Orchard Beach, on the Maine coast.

ROCK-BOTTOM QUOTATIONS.

One market day, when we were very busy and the shop full of customers, an elderly gentleman pushed his way to the counter and inquired the price of turps from our assistant.

E. G. (off-hand): "How much is it a gallon?"

Assistant: "Three-and-six, sir."

E. G. (still off-hand): "How much half-gallon?"

A. "One-and-nine, sir."

E. G. (more subdued): "How much do you sell it per quart?"

A.: "Elevenpence, sir."

E. G. (confidentially): "What can you let me have a pint for?"

A.: "Sixpence, sir."

E. G. (slowly producing a small medicine bottle): "How much will this hold?"

A.: Three pennyworth, sir."

E. G. (after much deliberation): Let me have a pennyworth, please! that is all I require at present."—HENRY BUTCHER, Leighton Buzzard, in Ironmonger.

CATALOGUES, BOOKLETS, ETC.

REQUEST FOR CATALOGUES.

James Kerrigan, London, Ont., writes us that he has opened an office in the Hiscox building, under the name of The Kerrigan Purchasing Association, as buyer of all kinds of hardware, metals, etc., and will appreciate copies of catalogues, price lists, etc.

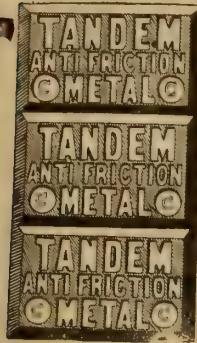
SHEFFIELD CUTLERY TRADE.

Notwithstanding the large deliveries of ivory for the London sales this week, Sheffield cutlers do not anticipate any drop in prices. The ivory trade is at present very quiet, cutlery houses doing much less business than last year. Not only are orders less in quantity, but the high quality of goods which were in demand last season are not readily saleable now. Many cutlers are out of employment, in contradistinction to midsummer of 1897, when competent men could hardly be obtained.—*Hardwareman*.

Appleby & Co., Board of Trade Building, Montreal, are in receipt of an extensive line of samples from John Crossland, Sheffield, England, including pocket, table and butcher knives, spear, bowie, daggers, matchets and hunting knives. Appleby & Co. are sole agents for these goods in Canada.

"Tandem" Anti-Friction Metal

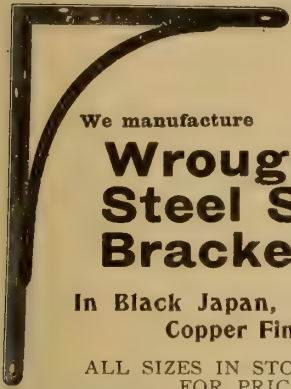
suitable for all purposes.



- A** For heavy pressure and high speed.
B For medium pressure and high speed.
C For low pressure and highest speed.

If your dealer does not carry this line, order direct from

Lamplough & McNaughton
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We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and Copper Finish.

ALL SIZES IN STOCK. SEND FOR PRICES.

H. R. IVES & CO., Montreal.



Metal Ceilings are now being recognized as the most desirable covering for Private Houses, Club Rooms, Public Buildings, etc. They are very handsome in appearance, will not crack and fall off, and compare favorably in price with any good ceiling.

Fully illustrated catalogues sent on request. Estimates furnished on receipt of plans.

The Pedlar Metal Roofing Co.
 OSHAWA, ONT.

Warnock's Edge Tools

— ARE —

Canada's Standard.

Fifty-four years' experience has made them so. Specify these goods when buying.

James Warnock & Co.

GALT, ONT.

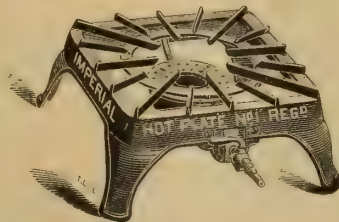
Henderson & Potts

NOVA SCOTIA PAINT AND VARNISH WORKS.

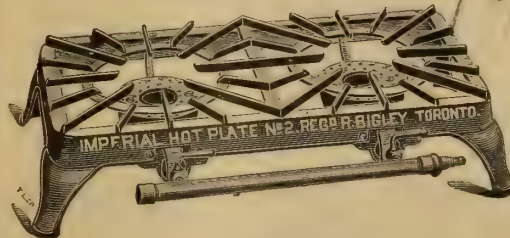
Sole Agents for the Dominion for



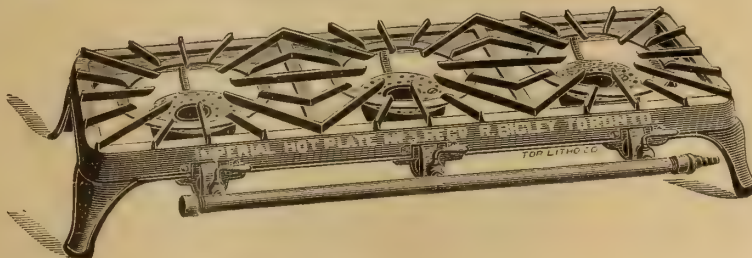
HALIFAX, N. S., and 747 CRAIG STREET, MONTREAL.



SIZE 11 x 19.



SIZE 10 x 20.



SIZE 10 x 30.

IMPERIAL**Gas Stoves.**

THESE Stoves are up-to-date in every respect. They are strong and durable, and fitted with convex burners. A sample will convince you of their many advantages.

Send for CATALOGUE.

Manufactured
 by ...

R. BIGLEY, 96 and 98 Queen St. East, **TORONTO**

MANITOBA MARKETS.

WINNIPEG, Aug. 8, 1898.

THIS market presents few changes for the week, the only one of importance being a drop of \$1 per hundred on rope. The advance in glass holds firm, and the practice of selling under quotations has ceased. Shelf and heavy hardware are quiet, but the rapidly ripening harvest is producing a few sorting orders in farm implements and tools. For the same reason elevators are being pushed forward as fast as possible, in fact, there is a regular boom on in elevator building, and a number of firms are spending from \$50,000 to \$75,000 on new buildings this year. Grain men, millers and railway officials are all bending their energies towards handling the present season's crop in good shape. Green wire cloth has had a great run, owing to the unusual number of flies and mosquitoes. Implement men report unusual heavy sales of binders.

Sportsmen are getting out their guns, looking after the well being of their dogs, and otherwise preparing for the shooting season. And, though so far few sales have been made in these goods, trade is opening up.

Among wheelmen and women interest deepens in the approaching bicycle meet.

A great many men in the hardware, as well as other trades, are taking brief outings at the Lake of the Woods, Lake Winnipeg, Shoal Lake and Lakes of Killarney. Those at home are placing orders for fall goods and otherwise forwarding business for the fall and winter season.

Price list for the week is as follows:

Barb wire, 100 lb.	\$2 40
Plain twist wire and staples.	2 90
Oiled annealed wire.	10 2 80
"	11 2 90
"	12 3 00
"	13 3 15
"	14 3 30
"	15 3 65
Green wire cloth, per 100 feet	1 40
Poultry wire, per 100 feet	55
Wire nails, 30 to 60 dy, keg.	2 40
" 16 and 20	2 45
" 10	2 50
" 8	2 55
" 6	2 70
" 4	2 80
" 3	3 00
Cut nails, 50 and 60 dy.	2 15
" 20 to 40	2 20
" 10 to 16	2 25
" 8	2 30
" 6	2 35
" 4	2 60
" 3	2 85
" 3 fine	3 05
Horse nails, 45 per cent. discount.	
Horse shoes, iron, light, medium and heavy, keg.	4 00
Snow shoes.	4 25
Steel, light.	4 25
" extra light.	5 75
Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	
Tool steel, Black Diamond, 100 lbs.	8 00
Jessop	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge.	3 75
28 gauge.	4 00
Galvanized American, 16 to 24 gauge.	4 00
26 gauge.	4 25
28 gauge.	4 50

Genuine Russian, lb.	12
Imitation " "	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge	7 50
28 gauge	8 50
Tin plate, 1C charcoal, 20 x 28, box	8 50
IX	10 50
IXX	12 50
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lbs	6 00
Broken lots.	6 50
Pig lead, 100 lbs.	4 25
Wrought pipe, black, 1/4 inch.	2 50
" 3/8 inch.	2 75
" 1/2 inch.	3 00
" 3/4 inch.	4 00
" 1 inch.	5 00
" 1 1/4 inch.	7 00
" 1 1/2 inch.	8 50
" 2 inch.	11 50
" Over 2 inch.	65 p.c.
Rope, sisal, 7-16 and larger.	12 00
" 3/8	11 00
" 1/4 and 5-16	10 00
Manilla, 7-16 and larger	13 50
" 3/4	12 00
" 1/4 and 5-16	11 50
Cotton, all sizes, lb.	16
Axes, per box	\$5.50 to 8 00
Screws, flat head, iron	85 p.c.
Round "	77 1/2 p.c.
Flat " brass.	80 p.c.
Round "	72 1/2 p.c.
Bolts, carriage	60 p.c.
Machine	60 p.c.
Tire	55 p.c.
Sleigh shoe.	65 p.c.
Rivets, iron	50 p.c.
Copper, No. 8, lb.	25c.
Spades and shovels.	40 p.c.
Harvest tools.	60 to 60-10 p.c.
Axe handles, turned, s. g. hickory, doz.	\$2 50
No. 1.	1 50
No. 2.	1 25
Octagon extra.	1 65
No. 1.	1 25
Linseed oil, raw, per gal.	57
boiled	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol.	25 p.c.
" military	15 p.c.
American R.F.	35 p.c.
C.F. pistol.	5 p.c.
C.F. military.	Net
Loaded shells, Robin Hood, M	\$18 00
Eley's 12 gauge, M.	16 00
American, M.	16 20
Shot, Ordinary, per 100 lbs	6 25
Chilled	6 75
Powder, F.F., keg.	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed.	70 and 30 p.c.
Granite ware, according to quality.	50 to 60 p.c.

PAINTS, OILS AND GLASS.

There is at present a good demand in these lines, and the jobbing prices are: White lead, pure, per 100 lb., \$6.50; do, No. 1, \$5.50; linseed oil, raw, per gallon, 57c.; do, boiled, 75c., for barrel lots; window glass, first break, for boxes of 50 ft., \$1.80; do, second break, \$2.05.

PATENT REPORT.

Below will be found the report of patents granted last week to inventors in lines appertaining to hardware by the United States Government. This report is specially prepared for this paper by Marion & Marion, solicitors and experts, New York Life Building, Montreal.

Nos. 608,262, J. S. Lord, bicycle attachment; 608,241, H. Wilburn, bicycle gear; 608,229, G. H. Schwedler, lock; 608,185, J. E. Doldt, locking device; 608,520, J. A. Hensler, monkey wrench; 608,202, A. M. Kleckner, pipe wrench; 608,484, C. Seymour, punching machine; 608,256, W. P. Goldthwaite, punch attachment; 608,358, A. Assorati, wrench.

SHEFFIELD GOODS IN CANADA.

Editor HARDWARE AND METAL,—We notice in your paper of June 11 a communication upon "Canada and Sheffield Trade," and, while we agree with the general tenor of the writer's remarks, we would point out that there are other Sheffield houses besides those mentioned doing a good business in Canada. We are doing a large business there through H. S. Howland, Sons & Co., Toronto, and all goods bearing our trade mark we guarantee to be of the finest possible quality, and hand forged, which process is infinitely superior to machine-made razors and table cutlery, which is the German system of manufacture. All our razors are made from the very finest steel that can be made, and every one is forged by hand and ground by hand, and each razor is carefully examined by one of the principals, through each different stage of manufacture, thus ensuring high-class quality goods only being exported.

The German system of machine manufactured goods is detrimental to good quality, and, as the great desideratum of cutlery is the retention of a keen-cutting edge, we claim that our goods are far superior to German goods upon the score of utility, which is the true test of quality, as they will retain their edge for a deal longer period.

The cheapest tool is very rarely the best, and, though the prices of German goods are often lower than those of the best reputed Sheffield brands, they are, without doubt, of inferior quality.

It has always been our aim to turn out only first quality goods, and our Mr. Joseph Elliot is a greater authority upon razor manufacture than any living man, and the great many years of his practical knowledge and experience have been utilized in the building up of his own business, and the ever increasing volume of business is a sufficient testimony of his careful supervision. He confidently recommends to all persons in search of a good article of sterling utility our full hollow ground razors, which are the best in the market for either private or saloon use. He also recommends our table cutlery and butcher knives, which are largely sold in Canada, and these will be found to give every satisfaction.

We may say that we have a large staff of experienced workpeople, whose endeavor is to turn out the best possible work.

We are very pleased with the growth of the Canadian business, and shall do our utmost, as we do in all the other markets, to continue sending out reliable and trustworthy goods, as we hold that the best advertisement is in the quality of the article supplied, and we have no doubt that the Canadian business will keep on increasing as it has done in previous years.

Yours, truly,

JOSEPH ELLIOT & SONS.

The merchants in the east end of Woodstock, Ont., are circulating a petition amongst themselves agreeing to close their place of business at ten o'clock on Saturday nights.



VanTuyl & Fairbank

Petrolia, Ont.
Headquarters for . .

Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.

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Collects accounts anywhere. Fees for current accounts 10 per cent. of amount collected. No fee less than \$1. Prompt returns. Report to you monthly. References given. Try us.

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Manufacturers of

Refined Bar Iron

Railway Spikes

Pressed Spikes

Nails and Tacks

"Diamond" Brand Horse Shoes

ST. JOHN, N.B.

PATENTS
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PARIS ELECTRO PLATING CO.

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings, Piano Stool Feet, Novelties, etc. Bicycle Work a specialty. Special attention given to Job Work of all kinds in Brass and Nickel Plating.

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.



"JARDINE"
TIRE UPSETTERS
WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

HARDWARE DEALERS' MAGAZINE

Largest Circulation in its field in the World

One Dollar
a Year.

D. T. MALLETT, Publisher

271 Broadway, New York

Specimen
Copy upon
Request

It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

FULL LINE OF

WAREHOUSE (Portable or Dormant)

HOPPER SCALES

DAIRY SCALES, COUNTER SCALES

WAGON SCALES

TRACK SCALES

THE GURNEY SCALE CO., - Hamilton, Ont.

WALTER GROSE, 30 St. Dizier St., Montreal, Que.

Agent for Montreal and Eastern Provinces.

Jewel Gas Ranges

Improved Slotted Burners with Removable Thimble Cap.



Well known as the most perfectly fitted, most efficient, and successful and most economical.

MADE IN

10
STYLES.

Roasting and Baking Ovens—with or without Extension for heating

Hot Water Boiler.

Manufactured by

The Burrow, Stewart & Milne Co., (Limited) Hamilton, Ont.

HEATING AND PLUMBING

THE MONTREAL PLUMBERS' PICNIC

THE annual picnic of the masters and journeymen plumbers, of Montreal, was held last Saturday in Otterburn Park, a distance of 38 miles from the city. A nice choice was made in location of the picnic, as every requisite necessary for the enjoyment of a pleasant outing is there represented, and the scenery of Belle Isle, in the immediate vicinity, gives an added charm to the place.

Considering the fact that there were four other picnics held on the same date, also two baseball and two lacrosse matches, the fact that nearly 1,000 plumbers and their wives were present, augured well for the interest in their annual outing.

Two trains left during the day, one in the forenoon and another in the afternoon, and, owing to a delay of one hour in arriving at the grounds, occasioned a lot of work for the committee in pushing through the programme.

The chairmen and members of the various committees deserve great praise for the manner in which they accomplished their tasks. The committees were as follows: Reception, railroad, dancing and games. Not a hitch occurred in the carrying out of the arrangements.

PROGRAMME OF GAMES.

Throwing 56-lb. weight; open. 1st, set of carvers; 2nd, hat; 3rd, box of cigars.—1, Cavanagh (15 ft. 5½ in.); 2, Crowther; 3, Burns.

Putting 16-lb. shot; members only. 1st, Stillson's wrench; 2nd, 1 umbrella; 3rd, 1 pair cuff buttons.—1, Mullins (29 ft. 9 in.); 2, Budd; 3, Westcott.

220 yards, for master plumbers. 1st, 1 set stocks and dies; 2nd, gas fixture; 3rd, 1 wheelbarrow.—1, Ogilvie; 2, Terriault; 3, Watson.

50 yards, boys, 8 years and under, members' sons only. Quantity special prizes.—1, A. Garner; 2, D. Desonneau; 3, O'Hara.

50 yards, girls, 8 years and under, members' daughters only. Quantity special prizes.—1, A. Hayward; 2, A. Cody; 3, M. Flanagan.

100 yards, boys, 12 years and under. 3 special prizes.—1, McQuestion; 2, J. Briggs; 3, F. Baker.

100 yards, girls, 12 years and under; 3 special prizes.—1, E. Gardner; 2, A. Stathan; 3, P. J. Goddard.

100 yards, young ladies. 1st, ladies' dressing case; 2nd, 1 pair slippers; 3rd, 1 hair brush.—1, O. Couffry; 2, G. Rogerson; 3, J. Flanagan.

75 yards, members' wives only. 1st, 1 bedstead; 2nd, 1 set of granite ware; 3rd, family outfit; 4th, meat chopper; 5th, 1 ham; 6th, 1 pair of kid slippers.—1, Gardiner; 2, Macauley; 3, Hayward; 4, Gardner; 5, Crowther.

440 yards, journeymen plumbers and steamfitters, single members only. 3 special prizes.—1, Westcott; 2, Stathan; 3, Rosseau.

Putting 16-lb. shot, apprentices only. 1st, 1 hat;

2nd, 1 necktie pin; 3rd, 1 straw hat.—1, McGovern (29 ft. 2 in.); 2, Horner; 3, McKay.

220 yards, married men, members only. 1st, 1 silver cake basket; 2nd, 1 scale; 3rd, ½-do. silver spoons; 4th, 1 asbestos fries.—1, J. Mullen; 2, P. J. Ogilvie; 3, J. McCauley; 4, G. Coyle.

Hop-step-and-jump, members only. 1st, 1 doz. silver spoons; 2nd, 1 hammock; 3rd, 1 box cigars.—1, McCauley (32 ft. 10½ in.); 2, A. Terriault; 3, Westcott.

880 yards, tinsmiths and roofers. 1st, 1 pair of carvers; 2nd, ½-do. knives and forks; 3rd, 1 box cigars.—1, Pelletier; 2, Daniel; 3, Chabonneau.

100 yards' three-legged race; open. 1st, 2 boxes cigars; 2nd, 2 walking canes.—1, Flaherty and Westcott; 2, Ogilvie and Mullen; 3, Aubin and Terrault.

Running long jump; open. 1st, 1 butter dish; 2nd, 1 hat; 3rd, 1 pipe.—1, Pow (16 ft. 8 in.); 2, Hanson; 3, Thurber.

220 yards, journeymen 25 years at the trade and over; members only. 1st, 1 McClary oil stove; 2nd, gas fixtures; 3rd, 1 doz. silver spoons.—1, W. Crowther; 2, G. Gurner; 3, J. O'Hara.

880 yards; carters in employ of members only. 1st, 1 set of chime bells; 2nd, 1 lamp; 3rd, ½ doz. knives and forks.—1, H. Lesperance; 2, Solomon.

One mile; open. 1st, 1 silver cup; 2nd, 1 gold medal; 3rd, 1 pair carvers.—1, Marshall; 2, Farrell; 3, Robert.

880 yards; bookkeepers and clerks of supply house members. 1st, 1 letter scale; 2nd, 1 doz. silver spoons; 3rd, 1 bicycle lamp.—1, F. Mavor; 2, Pow; 3, Thurber.

880 yards; apprentices only. 3 special prizes.—1, G. Hale; 2, —; 3, B. Taylor.

220 yards, smoking race, open. 1st prize, 1 Turkish pipe; 2nd, box cigars; 3rd, rubber tobacco pouch.—1, Carter; 2, Crowther; 3, Pow.

100 yards, fat man's race, 200 lb. and over. 3 special prizes.—1, E. Lesperance; 2, Crowther; 3, Vervette; A. Martineau was distanced.

Throwing baseball, open. 1st prize, 1 cigar case; 2nd, 1 pocketbook; 3rd, 1 pair of cuff buttons.—1, Pow (269 feet 4 inches); 2, Mavor; 3, Thurber.

100 yards, committee and officers' race; special prizes. 1, Mullen; 2nd, Brabant; 3rd, A. Terrault.

Tug of war between master plumbers and journeymen plumbers, 9 walking sticks—Declared a tie.

The special race for boys, also the base-

ball match, were not held owing to the lateness of the hour. The excursionists left on the 6.30 train for the city.

The following are a few of the representatives who were on the grounds from the wholesale and retail houses: Col. Massey, L. Payette, Mr. Lesperance, Mr. Carroll, Mr. Mongenais, Mr. Harris, Mr. McLaren, Mr. Atchison, Mr. Hughes, Mr. Terrault, Mr. Sadler, Mr. Watson, Mr. Christie, Mr. McGowan, Mr. Stewart, Mr. Gardner, Mr. Stewart, Mr. Wynn, R. S. Kyle, H. S. Martin, Mr. Crevier, H. Lamontagne.

Extra prize waltz, two gold medals, for ladies and gentlemen; cotillion, waltz and polka, waltz lancers, jersey and bonton—The prize was awarded to Mr. Sheridan and Miss M. E. Rennie.

The following donated prizes: E. Brunet, D. McCray, John Drake, Walter Martin, Francis Brunet, J. J. Ryan, H. A. Ekers, —Pabst, J. Burns & Co., P. Corvers, Gordon & Egan, Thos. Brunet, F. Duclos, A. Sadler, P. Ryan, W. J. Graham, W. Reed & Co., Canada Plating Co., R. & T. Pringle, Robt. Neill, The Fairbanks Co., J. P. Conroy, J. O'Connell, —Farrell, Chas. Bellisle, Trudel & Graham, J. A. Walker, Jas. Ballantyne, K. H. Brosseau, T. L. Clark & Co., Geo. Tuck, for Sclater & Co., Mr. Antis, J. Montpetit, W. Abinovith, F. Bonhomme, J. A. Giroux, Jas. Gibeau, Taluth & Deschamp, Morehand & Berard, Denis Demers, E. Rosseau, L. Julien, Thos. Moll, L. E. Thibeault, A. Germain, J. & C. Brunel & Cie., H. Thibeault, E. & E. Gauthier, C. Robillard, Thos. Robinson, Warden King, H. R. Ives, R. Mitchell, Gurney-Massey Co., Thos. Collins & Sons, Garth & Co., D. Drysdale, Canadian Asbestos Co., McClary Manufacturing Co., A. Bremner.

TORONTO BUILDING PERMITS.

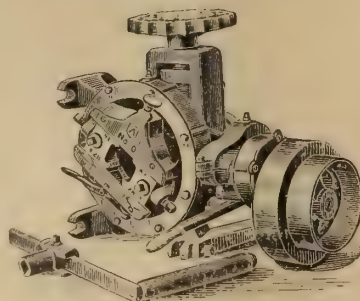
Building permits have been issued in Toronto, during the past week, for a two-storey brick addition to the workshop of A. B. Ormsby & Co., 126 Queen street east, to cost \$1,200; for a four-storey brick theatre, between King and Adelaide, on the east side of Yonge, to M. S. Robinson, at a cost of \$26,000; for an addition to the House of Industry, to the trustees of the

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

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House, at a cost of \$15,000; for improvements to the factory of M. Staunton & Co., 946 Yonge street, to cost \$2,500; for an addition to the Kirby House, corner Queen and William, to cost \$400; for a brick factory and warehouse to be built by G. H. Hees & Co. on Pears avenue, at a cost of \$16,000; to The Patterson Mfg. Co., for a one-storey galvanized roof, near Berkeley street, on the Esplanade, to cost \$2,500; to John F. Urquhart, for a two-storey and attic, semi-detached brick residence, on the southeast corner of King and Tyndall streets, at a cost of \$7,000; to the Toronto Railway Co., for a one-storey car-storage barn in the rear of King street, near St. Lawrence street, with a galvanized iron roof, to cost \$4,000, and to the Separate School Board, for a two-storey brick school on Caer-Howell street, near William street, to cost \$3,500.

PLUMBING AND HEATING CONTRACTS.

Tenders for the new St. Jean Baptiste Church were awarded as follows: Masonry, H. Duford; woodwork, C. Coteau; metalwork, Hamilton Bridge Co.; plastering, F. Depatie; brickwork, Jas. Bebin; roofing, D. Ouimet; painting, Rollin & Parizeau; plumbing, Lesfort & Harrin; heating, Eloise & Co.

Mr. Hughes, Montreal, has the contract for the heating of the new Albert buildings, on St. James street; also for the plumbing and heating of one house and shop, on St. Catherine street, belonging to F. E. Smith.

Mount & Co., Montreal, have the contract for heating the medical branch of McGill College; also the plumbing and heating of four houses on Springfield avenue.

A CHEAP LIGHT.

The acetylene gas plant installed this summer in the Algonquin by the Hamilton Acetylene Gas Machine Co., improves on acquaintance and is giving better satisfaction every day. There are 160 lights, including a row around the gallery, which, when lighted at night, make the place as bright as day and give the effect of an illumination. The light is especially brilliant and penetrating, it being found that half the jets provided are sufficient to give all the light needed, showing that it is twice as brilliant as ordinary gas. It is safe to say that no summer hotel on the St. Lawrence is as well lighted as the Algonquin, and it is estimated that the cost of the light is little more than the wages of servants required for cleaning the lamps and breakages. The machine is automatic, requiring very little attention, and is admirably adapted for detached buildings.—Cornwall Freeholder.

OUTSIDE V. INSIDE SOIL PIPES.

SINCE the great sanitary revival of about twenty years ago, it has become a general system in this country to place soil pipes on the outside of external walls, with the idea of allowing the drain air to escape outside the house, in the event of a fracture occurring in the pipe, either through some unforeseen cause, or by ordinary decay of the metal of which the pipe is constructed. The importance of this precaution has been so impressed upon the minds of sanitary reformers, that extraordinary means have been adopted in order to carry out the system as completely as possible. And, although the principle on the face of it appears to be a good one, there are certain disadvantages which are generally in the first instance lost sight of. For many years it has been the opinion of the writer that architects generally have not given the question of the arrangements of the soil and other pipes in connection with the plumbing works of a house sufficient consideration, with the result that much more responsibility has been put on the plumber than he had a right to expect. For, while he may be quite competent to arrange the pipes and drains in a perfect manner from a sanitary point of view, he cannot be expected to enter into artistic and architectural features of the building and arrange his pipes in harmony with the architect's design. And although it may be a debatable point whether a soil pipe is best inside or outside the external wall, no one can dispute the fact that the upper ends of soil pipes which act as ventilators are, in the great majority of cases, perfectly hideous both in form and position. More especially is this the case where roofs are gabled and have overhanging eaves, and the ventilating pipes are made to crawl like tortured snakes up to the ridge.

Some will at once say: But why not run the pipes under the roof and only show the upper end through the ridge? But this would be condemned by those who insist upon the outside soil pipes because the whole of the pipe would not be in the open air. It is in cases of this kind where some special feature like a chimney shaft is required, to act as a support and enclosure to the pipe, and to form a terminal which should not be more conspicuous than an ordinary chimney, but it need not at the same time be made to represent something it really is not. By such an arrangement many of the useless bends which have to be made in ventilating pipes would be avoided, and the tops of the pipes could be made much more accessible than they generally are by fixing a light iron upright ladder to the back of the shaft in which the pipe is enclosed.

With regard to the value of outside soil pipes as compared with those inside, it is generally found that, as far as durability is concerned, those fixed inside wear much longer, and, as a rule, are not likely to fracture so readily by the expansion and contraction of the metal. They are also protected from the weather and the extreme variation of temperature which outside exposure involves, besides the liability of becoming frozen up in times of severe frost. Another advantage which is often lost sight of is the much better up-draught which nearly always exists in an inside soil pipe, and, therefore, the more efficient ventilation of the pipe and the drains in connection with it. Not that one wishes it to be inferred that outside soil pipes are altogether wrong, but it is well sometimes, when everyone sides with the majority, to look on the other side of the question, because, after a little consideration, it will be found that there are two sides to this question as there are to most others.—Plumber and Decorators' Gazette.

AN AFRICAN PLUMBER'S REQUEST.

W. Mansell, Toronto, secretary of the National Plumbers' and Steamfitters' Association of Canada, received this week a communication enquiring whether the rules of the association would admit Joseph W. Taylor, plumber, etc., Johannesburg, South Africa, as an associate member of that body.

Mr. Taylor is a Canadian, learning his trade as a plumber in Toronto, and being associated with Mr. Mansell at various times. He left Toronto several years ago, and went with a surveying party over Alaska. It is interesting to note that this surveying party returned without discovering gold in abundance, but finding a large number of rubies. Mr. Taylor returned to Toronto, and was employed for some years with Purdy, Mansell & Mashinter, Toronto, which firm he subsequently left during the South African gold boom, with a mining engineer. Both of them "struck it rich," and Mr. Taylor has now a fine plumbing and heating business in Johannesburg. He is also agent for the goods manufactured by The Dominion Radiator Co., Toronto, and for engineers' supplies generally.

Needless to say the Canadian association will find room among its list of members for Mr. Taylor.

Meredith, Chief Justice, held recently that a chattel mortgage may be made to a trustee for the creditor, if the latter assents, even after the execution of the mortgage, and that the mortgage is valid, although there was nothing on the face of it to show the fiduciary position of the mortgagee.

TRADE AND MINING ACTIVITY IN BRITISH COLUMBIA.

IF anyone supposed that the activity in the Klondyke in 1897 was likely to have an unfavorable effect upon the mining industry of British Columbia, he would be quickly undeceived by reading the report of the British Columbia Board of Trade, published at length recently. The report, which is a comprehensive exposition of facts bearing on the development of British Columbia's commercial and industrial properties, shows that, with few exceptions, substantial progress has been made in all branches of industry. The report sets forth that the exports from Victoria for the year ending June 30, 1898, were \$1,640,250, against \$2,480,391 in 1897, and imports were \$3,360,164, against \$2,754,079 in the preceding year. The exports from Nanaimo in 1898 were valued at \$2,679,024, against \$2,609,097 in 1897, while the imports were \$239,707, against \$200,294 in 1897.

Taking up the matter of mining in the Province, it is shown that, notwithstanding the excitement incident to the Klondyke discoveries, mining in British Columbia was not neglected, the mineral output for 1897 exceeding that of the previous year by 40 per cent., as shown by the following table prepared by the provincial mineralogist:

	Amount.	Increase, per cent.
1890.....	\$2,908,803	..
1891.....	3,521,102	35
1892.....	2,978,530	...
1893.....	3,588,473	21
1894.....	4,225,717	18
1895.....	5,643,042	35
1896.....	7,507,956	34
1897.....	10,455,268	40

Although it was expected that the salmon pack of 1897 would be large, the total pack of 1,015,577 cases, an increase of 58 per cent. over and above the previous highest record, exceeded the hopes of the most sanguine.

Oysters and lobsters brought from the east and planted in the waters of British Columbia for experimental purposes promise well. Halibut and sturgeon fishing continues on a small scale, but, until reciprocal trade with the United States is arranged, no great expansion of these industries is looked for. It is stated that the sealing industry continues to suffer from the restrictions placed upon it by the Behring sea arbitration of 1894, in which year the catch amounted to 97,574 seals, while last season's was only 30,410 seals.

Agriculture in British Columbia, according to the report, never appeared more favorably than at the present time. Good crops and the increased demand of the past two years have been instrumental in restoring confidence among the farmers. In 1897 the harvest was especially good, and, in

consequence of the mining activity and the Yukon movement, good prices for all products were obtainable. The acreage this year has been considerably increased, and, the weather having been propitious, a good crop is promised.

Yukon trade requirements have had a salutary effect on all branches of industry in the Province, being reflected to a considerable extent in the increased activity at the shipyards and iron works. With the completion, in September next, of the Crow's Nest railway, from Lethbridge to Kootenay, a distance of 300 miles, considerable impetus will be given to the mining and other industries which are now retarded for want of improved transportation facilities. Surveys for other lines of railways have been completed or are contemplated. Dealing with trade and the outlook, therefore, it is asserted that increasing interest in and knowledge of British Columbia has resulted in unmistakable expressions of confidence. The opening of many branches of eastern Canadian banks, the extension of telegraph lines, and the regard in which the provincial securities and municipal debentures are held by the investing public, are all examples of the foregoing. Furthermore, the reports holds that the Province offers numerous and varied opportunities for profitable investment, requiring only investigation by competent persons to satisfy capitalists that there is in the Province a rich and paying field for the employment of surplus money. British Columbia's contribution to the Dominion of Canada treasury is stated as amounting to over \$2,000,000 per annum, which compares favorably with the proportions contributed by the other Provinces, while the expenditures fall far short of this sum.—Bradstreets, New York.

DISTEMPERING.

This is coming more into use every season, and many varieties of distemper are in the market, says an exchange. One of the chief difficulties in distempering is dampness in walls, and a number of compositions are sold professing to cure this trouble, but most of these are not altogether satisfactory. Decorators should understand that there is only one real cure for a damp wall—i.e., to remove the source of the dampness. Should the damp come through a wall exposed to the weather, a coating of soap-jelly may be used on the outside. It should be rubbed in well on a dry day, and when it is dry a coat of strong alum size should be put over it. Soap-jelly can be made by melting 3 lb. of yellow soap in enough water (boiling) to reduce the soap to a strong jelly. The alum size is made with 1 lb. alum, 2 lb. glue, and ½ gal. of water.



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Central Fire Cartridges, pistol sizes, Dom. 30 per cent.

Central Fire Cartridges, Sporting and Military, Dom. 15 and 5 per cent.

Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.

Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.

Shot.
Canadian, common, 7½ per cent.
Brass Shot Shells, 55 and 10 per cent
Primers, Dom., 30 per cent.

Wads.

Best thick white felt wadding, in ½-lb bags, 1 00

Best thick brown or grey felt wads, in ½ lb. bags, 0 70

Best thick white card wads, in boxes of 500 each, 12 and smaller gauges 0 99

Best thick white card wads, in boxes of 500 each, 10 gauge, 0 35

Best thick white card wads, in boxes of 500 each, 8 gauge, 0 55

Thin card wads, in boxes of 1,000 each, 12 and smaller gauges, 0 20

Thin card wads, in boxes of 1,000 each, 10 gauge, 0 25

Thin card wads in boxes of 1,000 each 8 gauge, 0 60

Chemically prepared black edge grey cloth wads, in boxes of 250 each— Per M.

11 and smaller gauge 0 60

9 and 10 gauges 0 70

7 and 8 gauges 0 90

5 and 6 gauges 1 10

Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—

11 and smaller gauge 1 15

9 and 10 gauges 1 40

7 and 8 gauges 1 65

5 and 6 gauges 1 90

Anvils.

Per lb. 0 10 0 12½

Anvil and Vice combined, each, 4 50

Wilkinson & Co.'s Anvils, lb. 09 0 09½

Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.

Gilmour's, discount 65 p.c. off revised list.

Hollow Starn's, per dozen 13 00 20 00

Adjustable Starn's, each 4 50 6 50

Post-hole, Vaughan's, each 60 90

Excelsior, Jennings', discount 50 per cent.

Awls.

Sewing, per gross 0 65 1 59

Pegging, " 0 65 1 25

Brad, " 0 85 1 60

" handled, per gross 3 60 30

Saddler's, per gross 0 45 1 60

Awl Hafts.

Patent Peg, per gross 7 25 8 00

" Sewing, per gross, }

Awl and Tool Sets.

Millar's Falls, per doz. 2 80 3 30

AXES.

Splitting Axes, 5 25 5 50

Chopping Axes—

Single List, per doz. 6 00 12 00

Double List, " 11 00 18 00

Bench Axes, 40 and 10 p.c.

Axle Grease.

Per gross 6 00 13 00

Bath Tubs.

Zinc, discount, 3 90 4 00

Copper, discount, 40 and 10 p.c. off revised list.

Steel clad, 20 per cent. discount off revised list

Boxing extra

Babbitt Metal.

Magnolia Anti-Friction Metal, per lb. 25

No Name Metal, " 15

Mystic Metal, " 10

F. O. B. New York or Chicago.

Bells.

Hand.

Brass, 60 per cent.

Nickel, 55 per cent.

Door.

Gongs Sargent's 5 50 8 00

" Peterboro', discount 50 per cent.

Cow.

American make, discount 66½ per cent.

Canadian, discount 45 and 50 per cent.

Farm.

American, each 1 25 3 00

House.

American, per 0 35 0 40

Bellows.

Hand, per doz. 3 35 4 75

Moulders, per doz. 7 50 10 00

Smiths', discount 60 per cent.

Belting.

Extra, 45 per cent.

Standard, 45 and 10 per cent.

Agricultural, 60 and 10 p.c.

Bench Stops.

Per doz 5 00 6 00

Bits.

Auger.

Gilmour's, discount 65 and 5 per cent.

Excelsior, discount 60 per cent.

Rockford Common, 70 to 70 and 10 per cent.

" Perfection, 50 and 10 per cent.

Jennings' Gen., net list to 5 p. c. discount.

Car.

Gilmour's, 47½ to 50 per cent.

Expansive.

Clark's 40 per cent.

Excelsior, 10 per cent.

Gimlet. 0 65 0 90

Diamond, Shell, per doz. 1 00 1 50

Nail and Spike per gross 2 25 5 20

Blind Rollers.

Annex, per doz 1 25 1 75

Miscott, " 1 35 1 85

Erminie, " 1 00 0 90

Blind and Bed Staples.

All sizes, per lb 7¼ 0 12

Bolts.

Carriage, dis. 60 and 10 to 70 p.c.

Tire, dis. 70 and 5 per cent.

Stove dis. 70 per cent.

Elevator, dis. 35 to 40 per cent

Machine, dis. 70 p.c.

Coach Screws, dis. 70 and 10 p.c.

Plough bolts, 60 p.c

Boring Machines.

Complete, with augers, each. 5 00 7 50

Braces.

Barber's 6 00 7 75

Barber's Ratchet 10 00 11 00

Farmers 2 00 2 75

Millar's Falls 15 50 29 00

Brackets.

Shelf.

Japanned Canadian, per doz. 0 50 3 40

pairs 0 85 3 20

Berlin Bronze Canadian

Broilers.

Light, dis. 65 to 67½ per cent.

Reversible, dis. 65 to 67½ per cent.

Vegetable, per doz., dis. 37½ per cent.

Henis, No. 8, " 6 00

Henis, No. 9, " 7 00

Queen City 7 50 0 00

Butchers' Cleavers.

German, per doz. 6 00 11 00

American, per doz. 12 00 20 00

Butts.

Brass.

Wrought Brass, dis. 17½ p.c. revised list.

Cast Iron.

Loose Pin, dis. 70 per cent.

Wrought Steel.

Fast Joint, dis. 70, 10 and 5 to 75 p.c.

Loose Pins, dis. 70, 10 and 5 to 75 p.c.

Berlin Bronzed, dis. 70, 70 and 5 per cent.

Gen. Bronzed, per pair 0 40 0 65

Can Openers.

Acme, per gross 9 00 10 00

Sardine Scissors, per doz 3 75 4 50

Card.

Horse, per doz. 0 60 1 00

Carpet Stretchers.

American, per doz 1 00 1 50

Bullards, per doz 6 50

Carpet Sweepers.

Bissell, per doz 22 50

World, " 21 75

Daisy, " 24 00

Star 18 00

Crown Jewel, per doz. 29 00

Grand Rapids, " 24 00 33 00

Cartridges.

(See Ammunition.)

Castors.

Bed new list, dis. 55 to 57½ per cent.

Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.

Nos 31 and 32, per gross. 8 50 9 50

Cement.

Canadian, Portland, 2 50

English 2 85

Belgium 2 75

Canadian hydraulic 1 20

Figures are for barrel lots.

Chalk.

Carpenters Colored, per gross 0 45 0 75

White lump, per cwt 0 60 0 65

Red 0 05 0 06

Crayon, per gross 0 14 0 18

Chisels.

Socket, Framing and Firmer.

American, dis. 75 per cent.

Canadian, dis. 40 and 5 per cent.

Tanged firmer, per doz 0 85 4 00

Churns.

Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.

Clamps.

Judds', dis. 20 per cent.

Stearn's, per doz 3 00 10 00

Clips.

Axle, dis. 65 per cent.

Closets.

Washout, plain 3 25

" embossed 3 50

Coffee Mills.

Box 3 60 13 00

Side 3 60 4 00

Enterprise, No. 0 1 35

No. 2 70

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent

Cradles, Grain.

Canadian, dis. 20 per cent.

Dies.

Hart Mfg. Co. (pipe es), (Amer. list), dis. 40 per cent.

Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.

Torrey's Rod, per doz. (15 p.c. 2 00

Coil, per doz 0 88 1 60

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Draw Knives.

American, dis. 70 and 10 per cent.

Canadian, dis. 25, 50 and 10 per cent.

Drills.

Hand and Breast

Millar Falls, per doz. 16 00 51 50

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DRILL BIT.

Orse, dis. 37½ to 40 per cent.

Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe.

Per doz 85 1 70

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Cork Lined, per doz. 0 30 0 35

Wine, per doz. 1 30 3 25

Star, " 2 80 3 90

Fenn's Corkstops, No. 2, per dozen 1 70

Petroleum, per doz. 4 50 6 50

FILES AND RASPS.

Globe File Mfg. Co.'s dis., files and rasps, 60 and 10 to 70 per cent.

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Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.

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Heller's Horse Rasps, 50 to 50 and 5 per cent.

Jowitt's, English list, 25 to 27½ per cent.

American, 60 to 60 and 5 per cent.

Great Western, 60 and 10 per cent.

Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.

FLUTING MACHINES.

Each 0 60 2 00

FORKS.

Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS.

Ice Cream.

Gem from \$1.25 to \$7 net.

King, glass, "	4 00	4 50
All glass "	1 20	1 30
LINES.		
Fish, per gross	1 05	2 50
Chalk, "	1 90	7 40
LOCKS.		
Canadian, dis. 50 p.c.		
Russell & Erwin, per doz....	1 75	7 50
Cabinet,		
Eagle, dis. 30 p.c.		
Padlock,		
English and Am., per doz....	50	6 00
Scandinavian, "	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.		
Iron and Brass,		
Flat head, discount 25 p.c.		
Round Head, discount 20 p.c.		
MALLETS.		
Tinsmiths', per doz.	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each	1 60	2 00

MATTOCKS.		
Canadian, per doz.	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.		
American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.		
American, per doz.	0 42	2 35

MOLASSES GATES.		
Stebbin's Patent, dis. per cent., 77½ per cent		

NAILS.		
Quotations are :	Cut.	Wire.
2d. and 3d.	\$2 75	\$2 80
3d.	2 40	2 45
4 and 5d.	2 15	2 20
6 and 7d.	2 05	2 10
8 and 9d.	1 90	1 95
10 and 12d.	1 85	1 90
16 and 20d.	1 80	1 85
30, 40, 50 and 60d. (base). :	1 75	1 80
Steel Cut Nails 10c. extra.		
Trads and finishing nails, special sizes, 80 p.c. from new list.		

NAIL PULLERS.		
German and American	1 85	3 50

NAIL SETS.		
Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.		
Poultry, 67½ per cent. for imported, 55 per cent. for McMullen's.		

OIL.		
Canada refined oil (Toronto) ..	0 14	
Carbon safety "	0 16½	
American w. w. "	0 17½	
Pratt's Astral	0 17	

OILERS.		
McClary's Model galvan. oil can, with pump, 5 gal., per doz.	0 00	9 00
4 in. and tin, dis. 50, 50 and 10 p.c., per doz.	1 25	3 50
Copper, "	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.		
Galvanized, per doz.	1 85	3 00

PENCILS.		
Dixon's, per gross	1 00	4 25
Carpenter	2 25	3 60

PICKS.		
Per doz.	6 00	9 00

PICTURE NAILS.		
Porcelain head, per gross....	1 40	3 00
Brass head,	0 40	1 00

PIPE CUTTING MACHINERY		
Forbes Patent Die Stocks.—Curtis & Curtis, Mrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to 2 in. R. & L.	\$ 50 00	
No. 38 Hand Machine, range 1½ to 4.	100 00	
No. 56 Hand Machine, range 2½ to 6.	175 00	

PLANES.		
Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.		
Wood, fancy Canadian or American, 37½ to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c. Miscellaneous, dis. 25 to 27½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.		
English, per doz.	2 00	5 00

PLIERS AND NIPPERS.		
Button's Genuine, per doz pairs, dis. 37½ 40 p.c.		
Button's Imitation, per doz.	5 00	9 00
German, per doz.	0 60	2 60

PLUMBS AND LEVELS.		
S. R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		

POPPERS.		
Corn, square, per doz.	1 35	2 00

PRUNING SHEARS.		
Per doz.	4 00	5 50

PULLEYS.		
Hothouse, per doz.	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS.		
Canadian cistern	1 40	2 25
Canadian pitcher spout.	1 15	2 00

PUNCHES.		
Saddlers', per doz.	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set.	0 00	0 72
" hollow, per inch.	0 00	1 00

RAIL.		
Barn door, per foot.	0 02¼	0 02½
Sliding door, "	0 03¼	0 03½
Lanes, "	0 02¼	0 02½

RAKES.		
Cast steel and malleable Canadian, list dis 60 to 60, 10 and 5 p. c. revised list.		
Wood, 25 per cent.		

RAZORS.		
Geo. Butler & Co.'s, per doz.	8 00	18 00
Boker's, "	7 50	11 00
Wade & Butcher's, "	3 60	10 00
Arbenz's, "	9 00	18 00
Theile & Quack's "	7 00	12 00

RAZOR STROPS.		
Currier's, per doz.	1 25	3 60

RIVETS AND BURRS.		
Carriage, Section, Wagon Box Rivets, etc., (Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc., (Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and 5 p.c.		
Copper Rivets & Burrs, 45 p.c. dis. in ½-lb. boxes and cartons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.		
Canadian, dis. 35 to 37½ per cent.		

ROPE, ETC.		
7-16 in. and larger, per lb	Sisal.	Manilla
10½	13	13
¾ in.	11	13½
¼ and 5-16 in.	14	14
Cotton	13	14½
Russia Deep Sea	6¾	7¼
Lute	8¾	9½
Lath Yarn		
New Zealand Rope		

RULES.		
Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis 37½ to 40 p.c.		

SAD IRONS.		
Mrs. Potts, per set.	0 62½	1 00
" N.P., per set.		90

SAD HEATERS.		
Dome, Shepard's, per doz.	4 75	5 00

SAND AND EMERY PAPER.		
Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.		

SASH CORD.		
Per lb.	0 20	0 50

SASH LOCKS.		
Triumph and Morris, dis 37½, 40 percent.		
Kempshell's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.		
Sectional, per 100 lbs.	1 40	1 75
Solid,		1 25

SAWS.		
Crosscut, McMillan & Haynes, per dozen	0 40	0 70
"Empire," McMillan & Haynes, per ft.		0 70
Hand, Disston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Disston's, per ft.	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.	0 75	2 75
" frame only.		0 75

SAW SETS.		
Lincoln, " McMillan & Haynes, per doz.	6 00	7 50
Whiting	5 63	7 00

SCALES.		
Gurney Scales, 50 p.c.		
B. S. & M. Scales, 50 p.c.		
Champion, 60 per cent		

SCRAPERS.		
Box, per doz.	2 10	4 50
Boot, "	0 40	3 50

SCREENS.		
Door, patent, per doz.	6 50	11 00
Window, per doz.	2 00	2 75

SCREW DRIVERS.		
Sargent's, per doz.	65	4 00

SCREWS.		
Wood, F. H., iron, and steel, dis. 87½ & 10 p.c.		
Wood, R. H., " dis. 80 and 10 p.c.		
F. H., brass, dis. 82½ and 10 p.c.		
Wood, R. H., " dis. 75 and 10 p.c.		
Drive Screws, 87½ and 10 per cent.		
Bench, wood, per doz.	3 25	4 00
iron, "	4 25	5 75

SCYTHES.		
Discount, per doz. net.	4 50	6 00

SCYTHE SNATHS.		
Canadian, dis. 50 p.c.		

SHARS.		
B. & W., japanned, dis. 75 p.c.		
B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 60 p.c.		
Etna, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
N.P., dis. 70 p.c.		
lauss, full nickel, 60 p.c.		
japanned handles, 67½ p.c. off.		
Seymour or Heinisch tailor shears, 15 p.c.		

SHEAVES.		
Sliding door, per set.	0 77	1 40

SHOVELS AND SPADES.		
Canadian, dis. 40 and 10 to 45 and 2½ p.c.		

SIEVES.		
Wood rim, black, per doz.	1 05	1 10
" tinned, "	1 25	1 35
Tin rim, per doz.	2 30	2 45
" black.	1 85	2 25

SNAPS.		
Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews	4 50	11 50

SOLDERING IRONS.		
Per lb.	0 25	

WROUGHT SPIKES.		
Discount, 35 to 40 per cent.		

SPOKE SHAVES.		
Wood, English	1 80	5 00
Iron, American	1 35	2 35

SPOONS AND FORKS.		
Tea spoons, per gross	7 50	12 00
Dessert, "	21 00	00 00
" "	30 00	00 00
Dessert Forks, "	24 00	00 00
Medium "	27 00	00 00
Table "	36 00	00 00

SQUARES.		
Iron, per doz.	1 65	2 90
Steel, dis. 70 per cent, revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAPLES.		
Galvanized	2 00	
Bright	1 80	

STOCKS AND DIES.		
American, dis. 25 p.c.		

STONE.		
Washita, per lb.	0 28	0 60
Hindustan, "	0 06	0 07
" slaps, per lb.	0 09	0 09
Labrador, "	0 13	
" Axe, "	0 15	
Turkey	0 50	
Arkansas	0 00	1 50
Water-of-Ayr "	0 00	0 10
Scythe, per gross	3 50	5 00
Grind. per ton	15 00	18 00

Stove Polish.



No. 4-3 dozen in case	\$4 50	
No. 6-3 dozen in case	7 50	

TACKS, BRADS, ETC.	
Cheese-box tacks, blue, 80 and 20 p. c.	
Trunk tacks, black, 80 and 12½ p. c.	
" tinned, 80 and 12½ p. c.	
E.B.E. iron carpet, blued	80
" tinned	80
E.B.E. iron carpet, bright or blued (in kegs)	40
E.B.E. iron carpet, tinned (in kegs)	45
E.B.E. cut tacks (in bulk)	80
" ¾ weights, 4 to 10	50
" 4 to 10	55
wedges, cut tacks, genuine, blued and tinned, bulk.	80
wedges, upholsterers, 80 and 20.	
wedges, carpet, blued and tinned, doz.	70
" lace	75
" brush	50
" gimp, blued, tinned & japan'd	75
iron tacks	35
topper tacks	35
	62½

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In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays

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—Longfellow.

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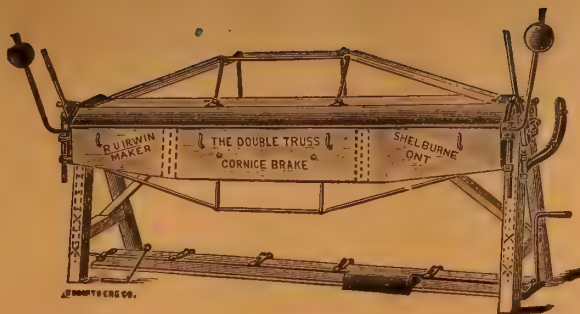
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Price, \$50

Very handy bender attachment, \$10 extra, if required.

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Our All-Steel *Champion Furnace Brush* is the best value in the market.

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SASH PULLEYS.

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PADLOCKS and RAT TRAPS.



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BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

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The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X

MONTREAL AND TORONTO, AUGUST 20, 1898

No. 34



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Best Anti-Friction Metal for
all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
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June 3, 1890" are stamped
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Why take chances with strangers or with less trust-
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Experience Counts

A pioneer may win reputation by a novelty.
For a day—for a year, it may be—a new thing may com-
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Enduring success must be founded upon intrinsic worth. Merit
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And that is why The Safford Radiator—the **original** Radiator
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Is pretty enough for the parlor, and light enough to be carried from cellar to attic. Will do the work of any \$10.00 Heater, and could be retailed at nearly half that price.

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Our "Para" Rubber Belt

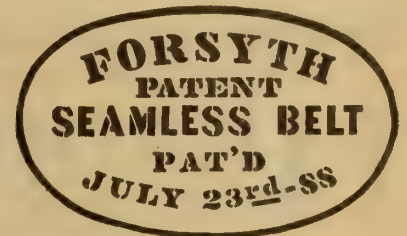
is made of 32-oz. Duck coated with fine Para Rubber, and makes a superior THRESHING BELT.

**OUR PATENT
SEAMLESS**

Forsyth Rubber Belt

is so constructed as to do away with an exposed seam.

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RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

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CAVERHILL, LEARMONT & CO.	-	-	MONTREAL
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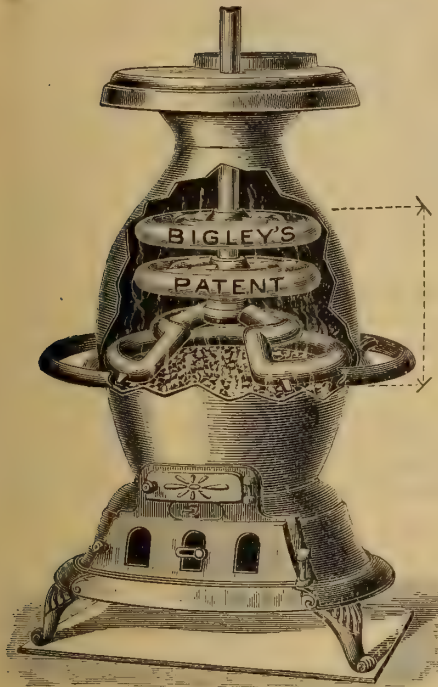
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They are so constructed that one or more sections can be used. They are constructed principally for combination heating, in any kind of Hot Air Furnace, Globe Heaters or Stove, such as represented in cut. They are put together with screwed nipples and tested to 150 lb. pressure. The first section is cut away in front, so as to admit the coal. This heater adds $\frac{2}{3}$ more heating capacity to a stove or furnace. It can be built in brick for greenhouse heating.

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Established 1825.

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Established 1825.

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trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinisch's Sons Co. vs. Hermann Boker & Co:

"The complainant (R. Heinisch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinisch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinisch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorn & Co., St. John, N.B., H. S. Howland, Sons & Co., Toronto, and others.

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Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

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Racer, Premier, Maple Leaf, and Forest King.

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Boynton,
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AXES...

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R. Mann, Model, Climax, plain and bevelled.

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THE MODERN STOVE POLISH

PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

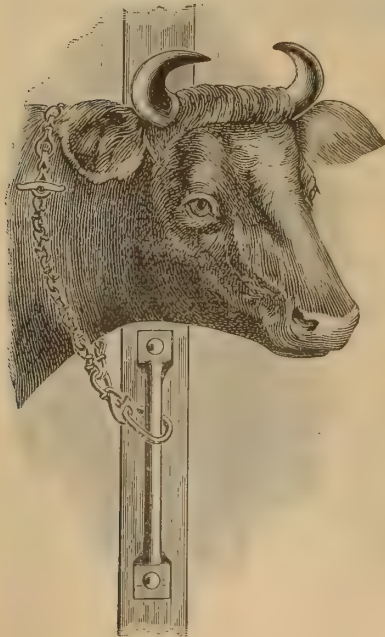
J. L. PRESCOTT & CO., NEW YORK.

Window Glass



We have a large, well assorted stock.

Sanderson Percy & Co., - Toronto



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Or "SHORT"

COW TIE.

Made in either

CUT LINK

.. OR ..

WIRE LINK

CHAIN.



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NIAGARA
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The cheapest, safest and most convenient stall fixture ever devised for either cows or horses. Allows great freedom to the head without a long chain, which would entangle the animal's foot. Also American Open and Closed Ring Cow Ties.

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NIAGARA FALLS, ONT.

KEMP'S Standard One-Piece ELBOWS.

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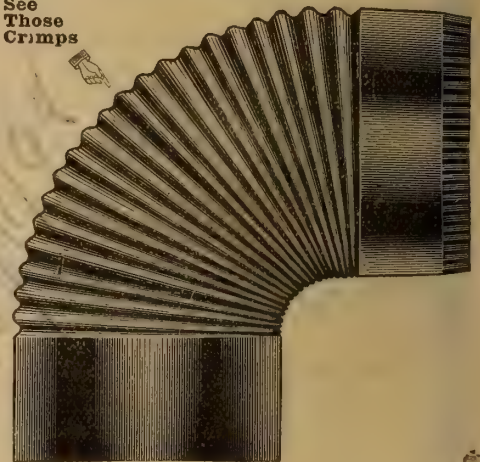
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Those
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Extra Heavy
Smooth Steel.

In
Two
Qualities :

Nos. 1 and 2.

This Elbow
is popular



Because it is the strongest elbow made.
Because it is attractive in appearance.
Because it will not get damaged in shipping.
Because it has a coating which prevents rust.
Because it is rivetted ready for use.
Because it is as cheap as the ordinary pieced elbow.

The improved process of manufacture produces a short turn, therefore, less material is used, and, consequently, less weight per dozen, which results in a great reduction in freight and a reduced cost to the buyer.

Kemp Manfg. Co., Toronto



Vol. X.

MONTREAL AND TORONTO, AUGUST 20, 1898

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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

FOREIGN CEMENT IS DEARER.

THE firm tone noted last week in cement has materialized, as will be noted from our market reports, in a sharp advance in all cements from the continent of Europe. In fact, German cement is now 10 to 15c. higher than English in this market, and Belgian, which advanced with the German this week 5c. per barrel, is now above the \$2 mark; and importers expect still further advances in the near future. Unless the British cement makers advance prices, therefore, they are bound to get the preference, as compared with German, and if Belgian goes up, as many predict that it will, it, also, will be replaced, to a large extent, by British brands.

Private cables this week from Belgium re-

ported an advance there of 4 to 6c. per barrel, and importers who tried to place contracts, even at the rise, for fall shipment, found it difficult to do so for the quantity desired.

The arrivals at Montreal of Belgian and German to date this season have been 147,731 barrels, whereas, only 16,150 English were imported. With the preference now in force this proportion ought to be reduced, especially as German cement costs more than British.

Stocks in Montreal are exceptionally light for this time of the year, and this fact had a good deal to do with the rise decided upon this week in European continental cements.

NO SCARCITY OF BINDER TWINE.

THE binder twine season is about over, but there is yet no evidence of the shortage which some persisted there would be. On the contrary, quite a little is likely to be carried over by the retail trade, notwithstanding the large quantity consumed this year.

From what can be learned, some retailers held on too long for higher prices, and they, in some instances, at least, are likely to carry over more than is desirable.

Certain large retail dealers in the country report that they are being offered binder twine by other retailers, who find they have rather large stocks on hand for this stage of the campaign. Wholesalers are receiving similar offers.

During the past week the Consumers Cordage Co. has reduced its price 1c. per pound.

TRADING STAMPS.

A SUBSCRIBER asks for an opinion from **HARDWARE AND METAL** regarding trading stamps. It complies with pleasure.

The opinion of this journal is not favorable to the trading stamps.

In the first place, the trading stamp scheme is contrary to the principles of business commonsense.

The proper way to build up a business is to keep good goods and to conduct the store in an efficient manner. Where the trading stamp is the tendency is to lose sight of true business conduct. New customers are attracted to the store, not because of the quality of the goods on the shelves or the ability of the merchant: They come to get trading stamps. And if the merchant hopes to keep these customers he must continue to give trading stamps or some other equivalent. This, in itself, should be sufficient to condemn the practice.

Another charge against the trading stamp is that it tends to an exaggerated idea as to the profits of the average merchant. Customers who secure trading stamps, coupons, street car tickets, or other similar devices, can come to no other conclusion if they give the matter thought.

Every coupon given out means a reduction in the price of the goods which the customer has bought. "Now, then," ruminates the customer, "I have been buying this article from Jones for a long time, but I have never paid less than I am now paying, but I received no rebate, either in the shape of a coupon or discount. Catch me paying as high price again. If he does

not give me trading stamps he has got to give me something."

Then, the collateral which goes to the customer from the trading stamps, coupons, street car tickets, and other such schemes, comes from the pocket of the merchant. The merchant who gives trading stamps is practically acting as salesman of the products of the promoters of the scheme, while he is at the same time paying for them.

In several of the States across the border trading stamps have been made illegal by the Legislature.

A business that is not watched is likely to get around the corner and away.

IT SHOULD BE STOPPED.

THE Conservative press is busily leveling charges against the Government officials in the Yukon, while the Liberal press is just as busily shielding these officials. And both are overdoing it.

Some of the officials up there are no doubt staking out claims for themselves and dreaming of the stocks of nuggets they will carry back to civilization, and of the wealth and affluence that will, during the balance of their lives, be theirs.

Government officials, like men who have less favored positions, are, no doubt, susceptible to the influence of gold; but it does not seem wise or prudent that they should be allowed, while they are Government officials, to gratify their desires.

These officials are in the Yukon to guard the interests of the Government and to protect the rights of the people in that part of the country. If they are interested in mining lands it is quite possible there will be a clashing of interests that will prevent justice being done. The possibility of the clashing of these interests should not be permitted, and the proper thing for the Government to do is to strictly prohibit Government officials from taking up gold lands. If it does not, there will be trouble for itself, to say nothing of the odium which may be cast upon the country.

If you have good goods do not put them under the bushel of obscurity, but show them to the public by the searchlight of the advertisement.

BRITISH TRADE WITH CANADA.

BECAUSE goods the product of Great Britain now come into Canada at one-fourth less duty than those of Germany, the United States and other foreign countries, it does not follow that this in itself sells the goods.

The advantage which the tariff accords must be supplemented by energetic effort on the part of the manufacturers in Great Britain. They must turn up business and not wait for business to turn up. They must solicit orders and advertise, for the manufacturers in either Germany or the United States do not propose to slumber and sleep in regard to Canadian business.

One other thing they should not forget, and that is, that business in Canada is not always done in the same way it is in Great Britain. Furthermore, those who are, for the first time, appointing representatives, should allow these representatives some latitude in conducting business. Give them some liberty to both think and act for themselves. Many a British firm's attempt to do business in Canada has proved abortive, because it was negligent in this respect.

WHY SOME FAIL.

Many young men who promised well at the start of life have been failures at the finish.

The fault was not that they were lacking in ability, but that they lacked those forces of character which prevented their going away when they themselves recognize they have ability which is helping them to distance fellow competitors in the race.

They become puffed up, insolent and above their work. To use a slang phrase, they get "swelled heads."

"Swelled head" is much easier to prevent than to cure, and young men who would succeed in life should watch that they do not become innoculated with the disease, for those who suffer therefrom are of little use to themselves or anyone else.

WINDOW GLASS HIGHER ABROAD.

An advance in the price of window glass will be no surprise if the markets abroad retain the temper they have been displaying of late.

Belgian advices state that there has been another advance of 2 points, and, that it is difficult to obtain supplies even at the rise.

In fact, based on the values prevailing at primary points in Europe, it would cost 15c. per half-box more to import now. The local market, however, has not recorded any change, but the tone is firm, and, with conditions as they are abroad, and supplies moderate here, a further rise in prices is confidently anticipated shortly, that is, provided the primary markets do not have any material set back, of which there is little sign at present.

SHARP ADVANCE IN TURPENTINE.

Turpentine has advanced 3c. in Toronto and to outside western points, and 2c. to all points in Ontario east of the 79th meridian.

The advance is a result of the decidedly firmer feeling in the primary market, where, during the last few weeks, a steady advance made it a certainty that prices would follow in Toronto.

As prices now stand, the feeling is firm, and a still higher range of values is not improbable.

SEVERELY COMMENTED ON.

THE press, generally, are commenting very severely on the condition of affairs in the office of the Canadian Commissioner in London. Some of them are inclined to throw the blame upon Lord Strathcona and Mr. Colmer.

It is not with these men but with the system we find fault. His Lordship, though his official duties are not of an important nature, is worth many times his salary, much more than which he spends freely in ways that bring Canada into prominence in circles where the Dominion has hitherto been little known. The secretary, a faithful, hard-working official, has done and is doing good work for this country in his position. But he has more than enough to occupy his time.

What is wanted is a strong man, with a thorough practical knowledge of the resources of Canada; a man who can not only answer promptly and intelligently enquiries, but follow them for months if they are likely to result in increased trade, and, most important of all, a man who will develop the sales of our natural products. This, no one in the High Commissioner's office at the present time is capable of doing. On the

entire staff there is but one Canadian—a most painstaking gentleman, and he left the Dominion in his childhood days.

There is far more money for this country at the present time in its agricultural resources than in its gold mining. We can never get the full benefit of the British market for these until we have a man doing there what Prof. Robertson has done so well in Canada.

COTTON CLOTHESLINES CHEAPER.

A sharp decline is announced in the price of cotton clotheslines.

The new prices, together with those formerly ruling are: 48 feet lines, 90c., was \$1.20; 60 feet lines ditto, \$1.20, was \$1.50; 72 feet ditto, \$1.50, was \$1.80; 100 feet ditto, \$2, was \$2.50.

DROPS FROM THE EDITOR'S PEN.

Promptness is the precursor of prosperity.

A dude is harmless until you get him behind the counter.

When you kick be sure you have something to kick about.

There is no place in business for the man who has not courage.

Every cent saved on discounts is a cent added to your profits.

In business, you should use tact just as in a yacht race you tack.

There is a great deal more in business than many people get out.

Merchants who cannot sustain their reputation cannot sustain their trade.

Merchants who keep the interests of their town in mind are true to their own interests.

Treat the commercial traveler well and he will not forget you when he has a bargain to offer.

There is a place in the world for every man into which, if he gets, he will be successful.

When politics conform themselves to business principles we may begin to look out for the millenium.

You can hire an architect to make plans for a new store, but you must prepare your plans for life yourself.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

IRON AND STEEL IN GREAT BRITAIN.

THE holidays have naturally interfered with the course of business, but the situation is as good as of late, and orders continue to be placed in all directions with a fair degree of frequency. Makers of most descriptions of finished iron have considerable orders on their books, to which they are constantly adding, the demand for sheets, bars, hoops and strip being well sustained. Steelmakers are busy, and likely to remain so for some time to come. In Scotland, owing to the heavy orders which have been booked of late by the Clyde shipbuilders, steelmakers have advanced their rates 2s. 6d. per ton, and some extensive lines of steel plates and angles have been given out by the Admiralty. Quotations are now £6 for Siemens' angles, £6 2s. 6d. for ship plates, and £6 12s. 6d. for boiler plates. Several fresh orders for steamers have been placed during the past few days, and more are pending. It is reported that Sir W. G. Armstrong, Whitworth & Co. are likely to secure an order for a cruiser and two destroyers for the Turkish navy. Locomotive engineers are as busy as ever, and are not anxious to book work for any near delivery. The Great Eastern Railway Co. intend to increase its stock of locomotives by 50 during the next couple of years. The rail-mills are well supplied with work, but for the moment there is not much offering in the way of fresh orders either on home or foreign account.—Ironmonger.

BRITISH TINPLATE MARKET.

A moderate demand is reported, and prices are steadily held at about late rates. In South Wales there has been a good shipment of tinplates during the past week, with the result that a considerable reduction in the stocks has taken place; but the number of mills idle continues unaltered, and there are reports of this number being increased owing to prices being unremunerative.—Ironmonger.

NEW YORK MARKETS.

PIG TIN—There is no life whatever in what is supposed to be the speculative branch of the market here, but consumers' purchases are on a fairly liberal scale, and those of inferior jobbers keep fully up to the midsummer season average. Prices stiffened somewhat, however, in sympathy with higher London cables and reserved offering for prompt and near future deliveries. Straits were quoted at 16.40 to 16.45c. net in store, and 16.50c. free on board, in lots of five tons and over.

COPPER—Business of very fair amount is

being conducted in a quiet way. The dealings are mostly direct between producers' agents and exporters, but include some on home account, chiefly lots of a few carloads. All told, the movement proves sufficient to hold prices quite firm throughout. Lake Superior ingot is quoted at 11¾c. bid and 12c. asked, for delivery during the balance of the year. Electrolytic is at about 11¾c. and ordinary casting stock 11½ to 11¾c., according to brand and delivery. London cables came about 5s. higher, presumably in response to the stronger tone here.

PIG LEAD—The market was rather quieter here, but prices were held very firmly, and at the close purchases could have been made at little, if any, concession from 4.10c. here for prompt or future deliveries. The general position is looked upon as being strong, and Western operators are giving a good measure of support in the East as well as in their own locality. London cables came unchanged and indicated a quiet market there.

SPELTER—Operations are on rather moderate scale, yet, of fair total amount, and, in conjunction with more bullish advices from the West, serve to hold prices very steady at about 4.45 to 4.50c. for delivery in this city. The London cable was unchanged at £20 7s. 6d. for good merchant brands.

ANTIMONY—The market remains firm at 9 to 9½c. according to brand and quantity, without, however, more than ordinary jobbing demand.

TINPLATE—Business continues slow and prices are still unsettled, owing to more or less keen competition between some of the American manufacturers.

IRON AND STEEL—Pig iron is barely steady in price and rather slow of sale. Old material is also quiet and unchanged. There is only fair business in rails, structural material, bars, etc., and prices throughout remain unchanged.—N. Y. Journal of Commerce.

WIRE NAILS IN THE STATES.

The past week has developed some activity in the way of increased numbers of inquiries for wire nails. Indications are that stocks in second hands are becoming light, as the majority of orders are for immediate shipment. In fact, at present prices, manufacturers demand prompt specifications and are not accepting contracts for future delivery at the low prices ruling. Some manufacturers suggest to customers the advisability of placing their orders at once in view of the advancing tendency of the market.—Iron Age.

DISPLAYING GOODS.

TOO much stress cannot be laid upon the effectiveness of clever show cards and carefully arranged interior and window displays in the selling of goods, says Stoves and Hardware Reporter. While we do not believe that they sell more goods than competent clerks, yet there is reason to believe that there are great possibilities in them which are not always fully realized. One often observes and experiences the truth of this statement when going into stores which make it a point to display effective show cards, exhibit the goods to the best advantage and dress the windows properly, each of which is the natural complement of the other and finishes off its general appearance. According to and varying with their intelligence, most people are quick to discern and appreciate the exercise of ingenuity in the arrangement of the store. They often show their appreciation in a tangible way which is gratifying both to the merchant's personal pride and to his bank account.

To excite admiration by a mere prettiness in some little decorative effect is not exactly what the ambitious merchant is striving for; he does not want people to walk into his store and look about them in wonder and surprise as at a free tight-rope performance; and yet that is just what they will undoubtedly do if he does not carry out his artistic ideas so completely that in a subtle but decided way the merits and individuality of the goods are brought to people's notice. By all means, then, the love of the picturesque ought not to preclude the opportunity for an adroit reference to prices, utility and attractiveness—as the case may be—of his wares. What will be the best plan is to combine the charm of ornamentality in interior and window displays with a serious effect to show the goods in the most attractive manner possible.

This may seem an easy thing to do, yet we do not observe that it is put into execution as often as it might be. Window dressers either think of and dispose the goods and decorations in the window with a view wholly to ornamental effect and allow their ideas of the artistic to bring that characteristic to the fore too prominently, for the benefit of the goods, or else they go to another extreme in which the goods are displayed alone without any effort at adornment, either of which is detrimental to the sale of the goods. In the former case people admire the embellishments and lose sight of the main feature, which is the goods themselves, or in the latter instance the goods alone appear uninteresting without sufficient individuality to attract any great amount of attention, and thus, with no dis-

tinguishing characteristics, they are passed unnoticed.

Judgment, then, should be exercised in preventing either unfortunate contingency which we have just described. This particularly applies to hardware, which does not readily lend itself to artistic, ornamental effects and which requires some embellishment to relieve its rather sombre dullness and bring out its best points. Beyond a doubt brilliant colors in draperies will do this most effectively. They should be renewed as soon as they grow dingy either by washing or purchase of others. To sum it all up in a few words, the chief object of window and interior displays is to sell all goods possible by attracting attention to them. Individuality must be obtained over other displays in order to do this. A man must not be afraid of a little outlay to secure an originality which will accrue to the benefit of the store. This desire to draw customers by an honest and ingenious method is both laudable and admirable if carried out honestly and conscientiously. In most cases it is better to mention prices, but we do not believe that any extravagant and exaggerated statements should be made under any circumstances.

PATENT REPORT.

Below will be found a report of patents recently granted to Canadian inventors through the agency of Marion & Marion, solicitors of patents and experts, New York Life Building, Montreal, by the Canadian, American, and Belgian Governments:

CANADIAN PATENTS.—Nos. 60489, Alexandre Champagne, Sorel, ointment; 60503, John A. McKellar, Alvinston, Ont., improvements in locks; 60510, William J. Curry, Nanaimo, B.C., collapsible bed; 60539, Edward Porter, Sydney, N.S.W., telegraph transmitter; 60534, William Keys, Montreal, car advertising device; 60632, Henry John Greyell, Enderby, B.C., cant hook; 60668, F. L. Rowe, Hemmingford, P.Q., tire fastening attachments for bicycles; 60667, Janvier Letourneau, St. Hyacinthe, ribbon measuring machine; 60674, Joseph Roy, Montreal, closet systems; 60618, Odilon Feher, Montreal, ice creeper; 60719, John Messenger, Denfield, Ont., suspenders; 60720, Lucien Viel, William's Lake, snap hooks; 60734, Leo Jacob, Waterbury, Conn., car coupler; 60746, William Northgraves, Perth, Ont., corn fork; 60749, Emilien Alfred Manny, Beauharnois, canal locks; 60811, J. W. Wright, Quebec, drainage conduits for pavements.

BELGIAN PATENTS.—Nos. 135900, Ed. Heroux, Yamachiche, improvement in shoes; 135901, Paul Lair, Lotbiniere, engine.

RATING STEAM AND GAS ENGINES.

WHEN a man buys a steam engine of a rated power it is well understood that the engine can upon occasion handle a much greater load than that at which it is rated. This practice arises naturally from the fact that a steam engine operates with the greatest economy, not when it is worked to its utmost, but when the steam supply is interrupted sufficiently early in the stroke to allow considerable expansion. The engine is rated not at its maximum, but at its economical capacity, and can be made, with some sacrifice of efficiency, to carry a considerably greater load.

With a gas engine the case is different. When the engine is doing its utmost it makes an explosion every second revolution or every fourth stroke, and conditions being adjusted so as to get the most out of each charge it follows that the greatest efficiency will be when the greatest number of strokes are effective, when the maximum power is developed, and the standing losses bear the smallest proportion to the total output. If an engine is rated at what it will do then under the condition of best efficiency, with an explosion every other revolution, this rated power must be the maximum at which the purchaser will wish to use it, for any excess of load will cause the engine to stop. We understand that it is the practice of some builders to rate their engines on their capacity when skipping one explosion in five, which would give them a maximum capacity 25 per cent. above their rating. There is, however, another very important factor affecting the power in the same way that the boiler pressure affects that of the steam engine, and that is the widely different thermal value of the different gases with which an engine may be supplied. This value is said by Hiscox to vary from 950 heat units per cubic foot for the highest illuminating gas to 185 to 66 units in the different qualities of producer gas. The question of capacity evidently requires closer consideration in the choice of a gas engine than in the case of the more flexible and more nearly standardized steam-operated motor.—Power.

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

CHAT WITH A CHILLIWACK MAN.

MR. W. A. ROSE, one of Chilliwack's general merchants, has been spending a few days in Toronto on business and pleasure bent. Mr. Rose went to British Columbia 13 years ago, and this is his first visit to the east since he turned his prow westward.

"Trade," he said, in reply to a question, "is good, and we are looking for a nice business in the fall. The grain and fruit crops are excellent. We do not grow a great deal of wheat. Oats is our chief grain product."

"Your's is a good fruit growing district, is it not?"

"It is; there is none in the world to surpass it," proudly replied Mr. Rose. Then, in a tone expressing of regret, he added: "But you see our market for fruit is so small. We experimented in sending plums to the Northwest Territories, but the results were so unsatisfactory that shipments will not be continued."

"If railway communication with the Kootenay country could be secured it would be a good thing for Chilliwack and district, would it not?"

"Oh, yes. And we hope some day to have that communication. The proposed Vancouver, Victoria and Eastern railway would pass through Chilliwack and give us access to the Coast and the Kootenay country. Some surveying has been done in the neighborhood of Chilliwack, and when I left the surveyors were reported to be at work near Robson. But railway projects, you know, are uncertain."

"No mining operations are being carried on near Chilliwack, are there?" I ventured.

"Well, not in the immediate vicinity. An American syndicate is doing some mining in the Mount Baker district, and some nice specimens of gold-bearing ore are being shown, but I do not know anything as to the real value of the mines. When I left there was a little excitement at Chilliwack on account of there being some talk of a road being built by the syndicate to Mount Baker."

"Would you advise young men to go to British Columbia?"

"No, not if they are going to look for situations. It is already overdone. No one should go out there just now unless he has money."

Mr. Ross could give no information as to the salmon run. It was about two weeks since he left home, and then the fish were beginning to hover around the Gulf. But the question I asked regarding salmon set him descanting upon the wealth which the Frazer river yielded. "It is enormous," he declared with vigor. "Look at the salmon that are caught there; and the sturgeons.

Advertising

has helped our business. It will help your business if it deserves to be helped.

All the advertising, and the best advertising in the world, will not help a poor article, or a poor business.

Advertising is successfully employed by us, because

THE SHERWIN-WILLIAMS PAINTS

are undeniably good—the best value in paints made.

We advertise that. People try our paints and find our statements correct. They become our customers and tell their friends. That's the simple process.

The dealers who handle our paints, share the benefits.

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers,

CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON

Walter H. Cottingham
Managing Director
Canadian Dept.

Why, I have seen sturgeons caught there weighing eight and nine hundred pounds each! Some have been hooked there which turned eleven hundred pounds. The chief market for these fish is New York, where they are sent in a frozen state."

OMAR.

THE WORLD'S EXPORT TRADE.

A translation of an article in The Antwerp Journal of Maritime Interests gives figures of the export trade of leading nations of the world for 1896, as compared with 1872, 000's omitted, as follows:

Countries.	Amount of Exports.		Increase.	Rel. Rank.	
	1872.	1893.		1876.	1896.
England.....	\$1,235,200	\$1,422,000	\$207,475	1	1
United States...	429,583	1,050,692	620,109	4	2
Germany.....	559,700	994,156	384,456	3	3
France.....	721,966	656,363	*69,673	2	4
Russia.....	270,586	513,908	261,322	5	5
Austria-Hungary	250,900	263,016	118,116	6	6
Belgium.....	193,000	283,324	90,324	7	7

* Decrease.

"The most remarkable feature of this statement," says Consul Morris, of Ghent, "is the decrease in the trade of France, which has fallen from second to fourth place. The trade of the United States, on the contrary, increased more rapidly than that of any other country, or nearly 150 per cent. in the 25 years. Besides the countries mentioned, Japan, Australia and the East Indies have, in greater or less degree, increased their exports. France alone sees

its trade gradually declining in the volume of the world's commerce."

PIG IRON IN GREAT BRITAIN.

William Jacks & Co. say in their report: "The pig iron market has been firmer this week, and warrants closed on Wednesday at about the prices ruling a week previously. The strength has been mainly due to buying on the part of members of the 'ring,' and advantage has been taken of the rise by outsiders, who have sold pretty freely." On Friday of last week, both Scotch cash and Middlesborough receded $1\frac{1}{2}$ d., to 46s. 6d. and 40s. $7\frac{1}{2}$ d. respectively, whilst hematite was unchanged at 51s. $7\frac{1}{2}$ d. On Tuesday there was an all-round advance of $1\frac{1}{2}$ d., to 46s. $7\frac{1}{2}$ d. for Scotch, 48s. 9d. for Middlesborough, and 51s. 9d. for hematite; but both Scotch and hematite lost $1\frac{1}{2}$ d. the following day, whilst Middlesborough was unchanged. On Thursday, Scotch closed at 46s. 6d., and Middlesborough at 40s. 9d.

IRON PIPE DEAR IN THE U.S.

The National Association of Wrought Iron Pipe Manufacturers, at its meeting in Pittsburgh, last week, advanced the basing rate five per cent. A commission was appointed to decide upon what advance in the selling price will result from this action.

A LAUDABLE UNDERTAKING.

THE Canadian Manufacturers' Association have begun publishing a Bulletin, to be issued monthly, or oftener as occasion may require, which will contain the latest and most reliable information regarding the possibilities of the export trade of Canadian manufactures. This information is obtained from the Dominion Department of Trade and Commerce, and from the publications issued by the British and United States Governments, and other reliable sources.

An obstacle that has always been in the path of Canadian manufacturers has been the lack of authentic information regarding the possibilities of foreign trade, and it is an object of the Canadian Manufacturers' Association to collate all the information obtained through the sources named, and sent through The Bulletin to the members of the association and others.

The initial number of The Bulletin—that for August, which has just been received—comes up quite fully to the claims made for it.

TRADING STAMPS DOOMED.

The merchants of Ansonia, Derby and Shelton have set the seal of doom upon the trading stamp, having decided to discontinue all schemes of the kind after September 1, 1898. After the appearance in these towns of the "green stamps," the stores not in the combination began to give away the red stamps issued by another concern. The merchants say that over 1,000,000 of the red stamps have been given away, representing an outlay of \$3,000 to the merchants. A petition has been circulated in the triple towns, and generally signed, in which the merchants agree that after September 1 they will discontinue the giving of stamps and gift advertising, thus enabling them to give better values. They also resolve that they will take space in no advertising sheet, programme, or other advertising matter, making an exception for religious organizations. Good enough. This programme advertising business is generally a blackmail on trade, and the religious sheets are just as bad as the others, as a writer in the Congregationalist recently asserted.—N. E. Grocer.

A WELL GIVEN REBUKE.

Somebody should "call down" the enthusiasts who dream of big profits from the Philippines trade with this country. "There are others"—Canada, for instance—that for trading purposes are worth Cuba, Porto Rico, the Philippines and the South American countries together, and her markets can be reached much easier, yet nobody is bawling himself hoarse over that prospect.

But Canada is not a conquest, and there is no chance for the half-educated, ultra-patriotic politicians to make a splurge in connection with her trade, as in the case of Spain's former dependencies. If the writer owned the Philippines, and had to dwell near them, he would feel like hiring somebody to tow them away. The Philippines, however, are all right in themselves. There

—every prospect pleases
And only man is vile.

And the islands need a thorough fumigation before becoming the residence of refined white men.—Merchants' Review, N.Y.

BACK FROM LOWER PROVINCES.

Mr. A. H. Symonds, Toronto, who represents a number of English and United States manufacturing concerns, has just returned from a business trip through the Maritime Provinces.

"I have," he said, in reply to a question, "done fairly well, but the effects of the war between the United States and Spain are being badly felt, and the merchants are taking quite a gloomy view of the future, as far as the trade with what is now the Spanish West Indies is concerned. They expect that with these islands the property of the United States the tariff of that country will obtain there."

Mr. Symonds stated that the lumber trade with Great Britain was again picking up a little.

RETAILERS AND BINDER TWINE.

Mr. George A. Richardson, one of Guelph's retail hardwaremen, was in Toronto a few days ago. Mr. Richardson is among the retail hardwaremen who have made money on binder twine this season. "I have," he said, "but very little left. I am sorry to say, however, that not all retailers are in the same position. Some of them held on a little too long. Now, the season is about over, and they are trying to find buyers among other retailers. I have received a number of cards asking me if I wanted to buy."

Mr. Richardson has had a good summer's trade, and is satisfied with the prospects.

VESTADIUM.

A new alloy of aluminum, vestadium, has recently been introduced by a Birmingham company. The alloy not only has a beautiful appearance, but it also has considerable strength, and the inventors claim that it is much stronger than any other metal having the same specific gravity, i.e., 2.73, or about one-fourth that of steel and about the same as pure aluminum. The metal is said to be homogeneous, and does not corrode, nor have air and water any effect upon it, while sulphuric acid does not affect it in the slightest. In color it is white as silver, and takes a fine polish.



GILBERTSON'S

"COMET"

BRAND

Patent Flattened Galvanized Steel Sheets

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . . 22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

WHOLESALE
HARDWARE

37 Front Street West

TORONTO

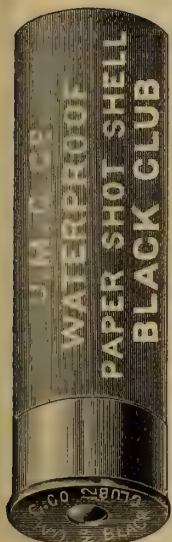
THE AMERICAN POWDER MILLS

CELEBRATED

GUNPOWDER

UNSURPASSED BY SIMILAR GRADES OF
ANY MANUFACTURE.

"DEAD SHOT"



Cartridge Cases

Ely's, U. M. C.
and Dominion.

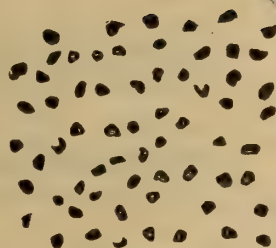
Metallic Cartridges

U.M.C. and Do-
minion.

Fuse

Hemp, Single
and Double.
Tape.

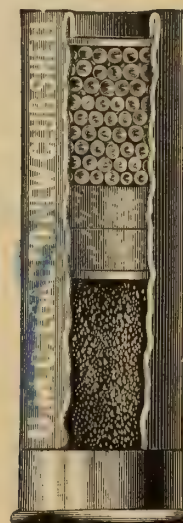
Gun Wads



Dead Shot, FG.



Dead Shot, FFG.



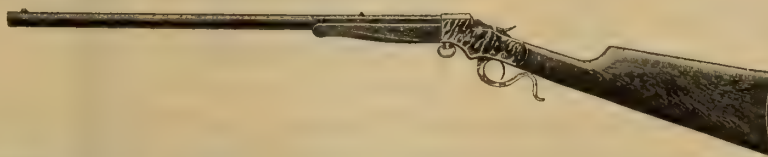
Loaded Shells

U.M.C. and Do-
minion.

Gun Caps and Primers

**Smokeless Powders
Schultze**

A most remarkably and universally popular Brand for general *FIELD* and *TRAP* shooting. Has for thirty years steadily grown in favor in the United States. *STRONG, UNIFORM*, can be *USED ALL DAY* without cleaning the gun: being a *MOIST BURNING* Powder, it is, for every day use, the sportsman's favorite. *DEAD SHOT* is packed in air-tight metal packages, each containing twenty-five pounds.



"Stevens Favorite Rifles."



Piper's Guns, Winchester and Marlin Rifles.

LARGE ASSORTMENT

GRAHAM Cut and Wire Nails are the Best.

CLOSE PRICE

BUSINESS CHANGES.**DIFFICULTIES, ASSIGNMENTS, COMPROMISES.**

THE New Glasgow, N.S., Electric Co., Limited, have, in trust, deeded their property to secure an issue of debentures amounting to \$30,000.

G. E. Carter, general merchant, Rosthern, N.W.T., has assigned.

A. R. Dionne, general merchant, Fraserville, Que., has assigned.

Daniel J. Munro, lumber dealer, Kemp-town, N.S., has assigned.

Lagueux & Boivin, saddlers, St. Francois, North End, Que., have suspended.

Henry Maier, harness dealer, Waterloo, Ont., has been sold out by the bailiff.

Wm. Waghorn, manufacturer of bricks, Newport, Ont., has assigned to Edward C. Jones.

Thomas Finlay, harness dealer, St. John, N.B., has compromised at 10c. on the dollar.

Bishop Bros., carriagemakers, Dorchester, N.B., are offering 20c. cash on the dollar.

Wm. F. Leflar, general merchant, Mount Forest, Ont., has assigned to Richard Lee, Toronto.

Andre Barrier, general merchant, St. Eugene De Prescott, Que., has assigned and is offering 30c. cash on the dollar.

PARTNERSHIPS FORMED AND DISSOLVED.

Riel & Evans, contractors, Montreal, have dissolved.

Rheume & Belanger, founders, Montreal, have dissolved.

J. B. Pauze & Co. have registered partnership as painters in Montreal.

Vaillancourt & Barbeau, painters, Quebec, have registered dissolution of partnership.

Wells & Hanscom, blacksmiths, Grand Forks, B.C., have dissolved, W. L. Wells continuing.

Partnership has been registered by Morel & Lacroix, blacksmiths and carriagemakers, Kingsley, Que.

Copeland & Norman, general merchants, Ruthven, Ont., have dissolved, Thos. H. Norman continuing.

J. M. Crandall, general merchant, Salisbury, N.B., has admitted J. W. Carter as partner, and the style will now be Crandall & Carter.

Leon Martel and Arthur Loiseau have registered partnership under the style of Louisa Martel, patent lock manufacturer, Montreal.

Coulter, Berry & Co., general merchants, Langley, B.C., have dissolved, Charles Jack retiring and A. C. Bowman continuing; style unchanged.

Daniel Smith and Colin McPherson have registered partnership under the style of The

Ontario Powder Works, Montreal and St. Laurent, Que.

A new copartnership has been registered by Jesse Brown, Hugh McDonald and Joseph Sutherland, under the style of The Clyde River Steam Mill Co., sawmill owners, Clyde River, N.S.

SALES MADE AND PENDING.

The Nelson Electric Light Co., Limited, Nelson, B.C., has sold out.

The assets of Boulard & Co., hardware dealers, Montreal, have been sold.

The assets of Hector Hudon, general merchant, St. Angele, Que., are to be sold.

Mrs. J. G. Monkman, general merchant, Cookstown, Ont., is advertising her business for sale.

The stock of J. B. Boisvert, general merchant, St. Hilaire, Que., has been sold at 67c. on the dollar.

CHANGES.

Frank Bristol, blacksmith, Kuskanook, B.C., has removed to Brooklyn.

The St. Thomas, Ont., Brass Co., Limited, have been incorporated.

M. M. Keating is commencing business as hardware dealer at La Riviere, Man.

W. G. Murphy & Co., general merchants, Mitchell, Ont., have sold out to — McKee.

R. B. Davey, hardware dealer, Kincardine, Ont., has sold out to Gentles & Elliott.

The Gall Schneider Oil Co., Limited, Montreal, intend applying for incorporation.

J. B. Pelletier & Co. are commencing business as importers of plate glass in Montreal.

W. E. Hambly, general merchant, Rockford, Ont., has sold out to H. W. Foster, of Villanova, Ont.

Marie P. Chase has registered as proprietress of the firm of M. Cantin & Co., contractors, Quebec.

Henry G. Vogel has registered as proprietor of the firm of H. G. Vogel & Co., manufacturers automatic fire sprinklers, Montreal.

FIRES.

Biette & Co., sawmill owners, Chesley, Ont., have been burned out.

W. H. O'Flynn, general merchant, Madoc, Ont., has been burned out.

The Canadian Rand Drill Co., Sherbrooke, Que., have been partially burned out; partially insured.

W. Mullett, harness dealer; W. Orr, blacksmith; P. Sinclair, harness and leather dealer, Madoc, Ont., have been burned out.

DEATHS.

Michael Slattery, of Slattery & Boland, general merchants, Deux Rivieres, Que., is dead.

Emery and Hardware Specialties

Hamilton, Ont. **COOKE HARDWARE CO.**

PICTURE CORDS, SHADE CORDS, PICTURE and SHADE HARDWARE, SOLID BRAIDED CORDAGE, BICYCLE DRESS GUARD LACING.

....Ask your jobber for our goods

THE OSSAWAN MILLS CO.

Norwich, Conn., U. S. A.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring. "The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety, Toilet, Hand, Electric Power **ARE THE BEST.** Highest Quality Grooming and Sheep-Shearing Machines. **WE MAKE THEM.** SEND FOR CATALOGUE TO American Shearer Mfg. Co., Nashua, N.H., U.S.A.

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.

Agent for: Spear & Jackson, Sheffield, saws, tools, etc. H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co. Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.

Wholesale trade only.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates Galvanized Sheets, Imitation Russia Sheets Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

The Fork Handle Season is now on.

We have a very heavy stock—can ship promptly, and supply the best. Kindly write us for prices and secure samples before booking your orders for Axe Handles for Fall Shipment. We will be in a position to supply thoroughly seasoned goods, and of the finest quality of second growth hickory. We make a specialty of

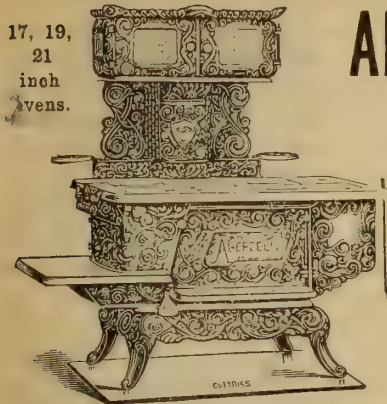
"Hand Shaved" Octagon Axe Handles
(Made by Indians)

being the largest dealers in Canada in this line. Can give exceptional value in this handle for fall business.

Eastern Agent—W. B. Murdoch, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.



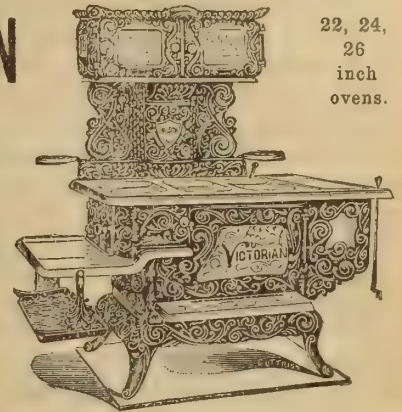
17, 19,
21
inch
ovens.

ABERDEEN, for Coal and Wood.

ABERDEEN AND VICTORIAN RANGES

These two modern, beautiful ranges give a complete line of goods for coal and for wood, and were constructed with special reference to the needs of Canadian trade. They have roomy fire boxes, capacious ventilated ovens, large fire doors, spacious hearths.

The COPP BROS. CO., Limited
Hamilton, Ont.



22, 24,
26
inch
ovens.

VICTORIAN, for Wood.

CANADIAN ADVERTISING is best done by THE
E. DESBARATS ADVERTISING AGENCY,
MONTREAL.

ISLAND CITY Paint and Varnish Works

.. Manufacturers of ..

**READY MIXED PAINTS and
FINE COACH VARNISHES.**

WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.
WORKS 274 St. Patrick St., MONTREAL.

THE ...
UNRIVALLED



Brilliant St. Antoine METAL POLISH.

Free from acids.

Most useful for household articles, musical instruments, jewellery, harness, etc. Highly recommended by fire brigades, railway and steamship companies.

SEND FOR QUOTATIONS.

Also manufacturers of Mucilage, Ink and the famous **St. Antoine Cement** for glass and china ware.

THE VICTORIA CHEMICAL WORKS CO.
MONTREAL

THE
New White Metal Polish

"Nanon"

The Queen of Polishes.

Imparts instantaneously a dazzling and lasting
BRILLIANCY
to Brass, Tin, Nickle, Zinc, Gold, Silver, etc. Free
from grit or emery, and will not scratch the finest
surface.

Samples on Application.

LAMPLOUGH & McNAUGHTON
Montreal

Sole Agents for Canada.

**The Canadian Mining
Exhibit Co., Limited**

Will give you any information in reference
to Mines or Minerals found in your district.

Assays made by their own Assayers

If you have or know of any Minerals you
do not know the value of, send Samples
to us, and we will let you know whether it
is worth anything to you.

Mining Properties Valued by Experts

THE

CANADIAN MINING EXHIBIT CO., Limited

650 Craig Street

... MONTREAL.



The "SAFETY" ACETYLENE GAS MACHINE

The most simple and the safest machine made.

It does what other machines cannot do. It generates Gas Cool.
It washes and purifies the Gas twice. Automatically removes
the Ash from the Carbide. Leaves the Ash perfectly
dry and thoroughly exhausted.

Every Machine Guaranteed.

Manufactured by.....

THE SAFETY LIGHT & HEAT CO.

DUNDAS, ONT.

Proprietors and Sole Manufacturers for the Dominion of the
celebrated **CLIFF-WARDLAW GENERATORS.**

Standard Steel Toe Calks



WRITE
FOR
DISCOUNTS.



Sizes—No. 0 to 7, 1½ to 3 inches. Price \$1.00 Per Box of 25 lbs.
in Bulk, or 24 lbs. in 4 lb. Packages.

Sizes—No. 0 to 5, 1½ to 2½ inches. Price \$1.25 Per Box of 25 lbs.
in Bulk, or 24 lbs. in 4 lb. Packages.

JAMES PENDER & CO., Limited, - Saint John, N. B., Canada.

ADVANTAGES FOR LINGUISTS.

CITY merchants are endeavoring to foster a movement to increase the salaries of British clerks who know at least three foreign languages. Its object is to encourage better commercial education, and thus indirectly to strengthen the trade prospects of British firms in the future. There were hundreds of applicants for a recent vacancy for a clerk knowing three languages, and the salary was only £100 a year. One applicant, a German, offered to go for nothing. Another said he would start at 17s. a week. The firm gave the post to an Englishman at the salary mentioned in the advertisement, although the price offered is not likely to encourage other clerks to study.—Hardwareman, Birmingham.

AN ATTRACTIVE WINDOW.

An attractive window, remarks an exchange, may be fitted up by running temporary shelves clear across the window, about five inches apart, made of light wood neatly varnished. On these may be placed pocket knives, razors, scissors, etc., in the original boxes, with samples on the top. On the street side the selling price of each article is marked in plain large figures. Where this has been done the sales have been very satisfactory, while many people are attracted and stop to look at the goods, thus advertising the fact that special attention is given to the sale of these goods. At another time the same rack of shelves can be devoted to fishing tackle and sundries in season.

WATER PIPES FROM THE UNITED STATES.

Some time ago, says an English paper, no little surprise was created by the announcement that in response to an invitation for tenders from the Glasgow Corporation for cast-iron pipes the lowest bids came from the United States. These tenders, however, were for pipes in 12-foot lengths, whereas the corporation had specified 9-foot lengths.

In view of the great disparity, however, between the American and British tenders the Glasgow water sub-committee decided to readvertise, and for offers for both 9-foot and 12-foot lengths. Again, the American bids are lowest, two Philadelphia firms tendering for £4,282 and £4,965 respectively, when the lowest of the local firm's prices is £5,641, the highest £5,960.

MASTER CUTLER OF SHEFFIELD.

In accordance with their annual custom, the Company of Cutlers of Hallamshire met in Sheffield on Tuesday last, with the object of choosing a Master for the ensuing year. The past twelve months have been somewhat inauspicious for the company. For the first time for nearly a score of years the Master Cutler has died in harness, and the loss of Mr. Maurice G. Rogers was felt not only by the firm whose success he worked so hard to promote, but the Cutlers' Company and the city generally. During the concluding months of the year Sir Alexander Wilson, Bart., has fulfilled the duties of Master Cutler. On Tuesday, Mr. F. C. Wild, who, for the past twelve months, has occupied the office of Senior Warden of the Company, was elected his successor to the office. The installation of the Master Cutler and other officials of the Company takes place in the city courthouse early in September.—Hardwareman, Aug. 6.

THE BOWIE KNIFE.

The Bowie knife, which became so famous, was of peaceful origin, having been made in the blacksmith's shop of a plantation in Louisiana, from an old scythe blade, and presented by Rezen Bowie to his brother for use in hunting. It was 9¼ inches long, by 1½ wide, with a single edge and a straight blade. James Bowie carried it when engaged in one of the bloodiest duels on record, and it saved his life. Nearly three-quarters of a century have elapsed since that encounter was fought to a finish on the historic sandbar in the Mississippi river, near Natchez.

GREAT BRITAIN'S COMPETITORS.

A blue book was published in London, England, a couple of weeks ago, giving a statistical abstract for principal foreign countries from 1886 to 1896. The tables submitted are very voluminous, and relate to imports and exports of all classes of goods. "An instructive instance of how the United States enters into competition with us is seen in the returns of iron ore production," says Hardwareman. "In 1880, when we returned 18,026,000 tons, America's return was but 7,120,000, but in 1896 the position was reversed, England having 13,701,000 tons and the United States 16,005,000. Egyptian returns show that the imports from the United Kingdom in 1896 were of the value of £3,164,881, as against £2,760,858 in the previous year, while the German imports were up from £218,391 to £281,823, the Indian, China and Japan figures from £552,595 to £601,792, and the imports from America from £46,133 to £79,497."

WORTH REMEMBERING.

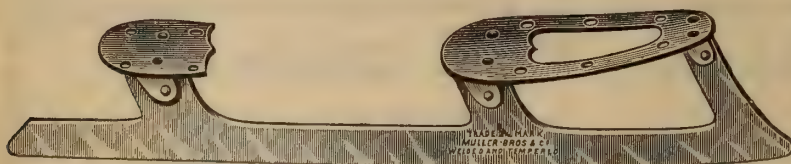
1. Avoid so far as possible drinking any water which has been contaminated by lead pipes or lead lined tanks.
2. Avoid drinking water which has been run through galvanized iron pipes.
3. Avoid using anything acid which has been kept in a tin can.
4. When grippe or other epidemics are prevailing wear a little crude sulphur in your boots or shoes.

PERSONAL MENTION.

Mr. Arthur Gardner, of Gardner Bros., founders, of Montreal, owing to illness, has left for the seaside for a short vacation.

A GUIDING STAR.

At the recent military tattoo witnessed by the German Emperor and Empress, in front of the royal castle at Wurzburg, the square was illuminated with magnesium torches, while the bandmaster's baton was rendered conspicuous by means of electric light.



Catalogue and Price List
on application.

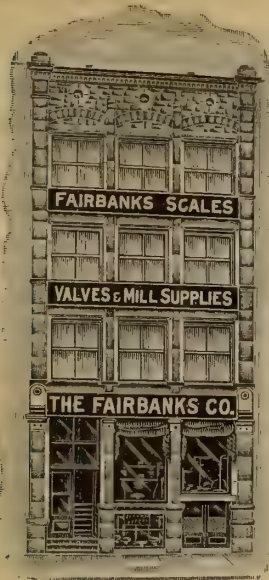
Muller's . . . Skates

Our stock of *Spring and Hockey Skates* is now complete.
We solicit enquiries for this unrivalled skate.

HOWDEN, STARKE & CO.,

WHOLESALE HARDWARE,
14 ST. PETER STREET,

Montreal



IF YOU CAN . .

visit this warehouse, you will find
a large assortment of

FAIRBANKS STANDARD SCALES
FAIRBANKS VALVES AND COCKS
FAIRBANKS TRUCKS AND FORGES

and **SOMEONE** to show them to you.

IF YOU CAN'T, WRITE US

and you will get an answer by next
mail, giving you all possible infor-
mation.

OUR LEADER

this month.

Chatillon Spring Balances

Just introduced into Canada.

Write for Circular.

THE FAIRBANKS COMPANY

749 Craig Street

MONTREAL

THE NEW SEASON

Wall Papers

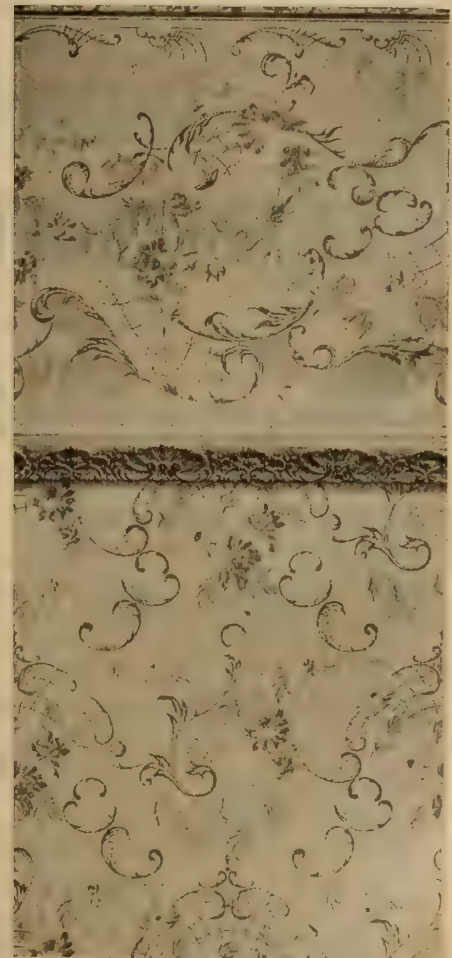
Our travellers are covering Canada, showing what we believe to
be the finest range of papers for the Canadian trade it has
been our pleasure to introduce.

We are receiving not only generous orders, all along the line,
but many complimentary words from dealers for the high
artistic effects, pretty colorings, and unique designs—the
samples are their own best advertisement, and dealers will
be slack in looking for the best should our samples be over-
looked—but you never do miss them, and this season's lot
is better worth seeing than any samples we've shown
heretofore—prices are right.

M. Staunton & Co.

MANUFACTURERS

TORONTO, ONT.



MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, August 19, 1898.

HARDWARE.

TRADE in general hardware, while not remarkably active, has displayed a reasonable degree of life, for the season, and the prospects for fall trade appear to be encouraging. Values all round show little change, the only alterations this week being in binder twine, which is lower, and cement, which has been marked up 5c. per barrel. Barbed wire has shown some movement, but plain wire is dull. The same can be said of cut and wire nails, while horse nails and horseshoes have furnished a quiet sort of trade. Bolts, rivets, screws, cordage, etc., continue much the same as they were last week.

BARB WIRE—Enquiry for this line is not active, and the jobbing range is still quoted at \$2 f.o.b. Montreal, but car lots have been sold for less money.

PLAIN WIRE—There is little doing in plain fence wire, but enquiry for hay-baling wire is beginning to be felt. Discounts are

unchanged at 40 per cent. on annealed, and 35 per cent. on galvanized.

WIRE NAILS—There is only a small movement to report, and values range from \$1.75 to \$1.80 per keg.

CUT NAILS—Without change from a week ago, the basis being \$1.75 per keg f.o.b. Montreal, Toronto, Hamilton and London.

HORSE NAILS—Enquiry continues of a quiet character. Discounts are 50 per cent. on standard and 50 and 20 per cent. on Acadia.

HORSESHOES—There is only a light business moving. We quote: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35.

SCREWS—Demand for screws is quiet at the advance. Discounts are: Flat head bright, 87½ and 10; round head do., 80 and 10; flat head, brass, 82½ and 10; round head brass, 75 and 10. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75 and 10.

BOLTS—There is some demand for car-

riage and stove bolts, but otherwise business is dull. Discounts are as follows: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS, ETC.—Enquiry for copper rivets is the only news to report. Discounts are as follows: Iron, black and tinned, all sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—There is little or no business to report. We quote: Sisal, 7-16 and up, 10½c.; ¾, 11c.; 5-16 and ¼, 11½c., and 3-16, 12c.; manilla, 7-16, 12¾c.; ¾, 13¼c.; 5-16 and ¼, 13¾c., and 3-16, 14¼c.

CLOTHES WRINGERS—There has been some enquiry for these, but not of an important character. We quote \$29.

BELTING—Demand is moderate and values unchanged.

HINGES—Trade is fairly active in these.

SPADES AND SHOVELS—Unchanged, with discounts 40 and 10 per cent.

STOVE AND TINMEN

Why not Buy where you can obtain EVERYTHING YOU REQUIRE at prices as low as any?

We make or supply nearly

100 distinct patterns of Stoves.

11 distinct patterns of Furnaces.

HOT AIR REGISTERS, HOLLOW WARE, ETC., COAL OIL, AND GAS STOVES

Enamelled Wares . . .

Stamped and Pieced Tin Wares, Japanned Wares, Tinnings' Trimmings and Supplies, Metals, etc., in fact, everything required for the **Stove, Tin, and Furnace Trades.**

Branch Warehouses at Montreal, Toronto, Winnipeg, and Vancouver, supplying the trade promptly in any part of the Dominion. **A trial order will convince you.** If you have not our catalogue, write our nearest house.

WHEN YOU WANT YOUR GOODS QUICK, ORDER FROM McCLARY.

The McCLARY MFG. CO.

HEAD OFFICE
AND WORKS

London

APOLLO BEST BLOOM GALVANIZED IRON.

There is but one American
galvanized iron first-class.

Apollo best bloom is the brand.

Apollo Iron and Steel Company
Vandergrift Building
Pittsburgh, Pennsylvania.

Fire Bricks and Fire Clay Boiler Seating Blocks Gas Retorts Stove Linings and Grate Backs Portland Cements

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

ROLLING MILLS

.. MONTREAL

MERCHANT BAR IRON—

	BRAND
Best Refined Bar Iron	AVB
" " Rivet Iron	AVB
" " Horseshoe Iron	AVB
Ex. Best " Bar Iron	AXB
" " Rivet Iron	AXB
" " Stay Bolt Iron	AXB
" " Hammered Iron	AHB
" " Charcoal Iron	ACB

Tyre, Sleigh Shoe,
Axe and Rivet STEEL.

CANADA IRON FURNACE CO.,

Manufacturers of Limited.

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE
RIVERS

PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

BUILDING PAPER—Continues quiet and steady. We quote: "Good Luck" fibre, tarred, 45c.; dried, 35c.; "Shield" brand, sheathing, tarred, 27c.; dried, 22c.; "Dominion" brand, tarred roofing felt, \$1.10.

BINDER TWINE—Prices at the factory here have been reduced 1c., and manilla is now quoted at 12½c. and mixed, 10 to 11½c.

CEMENT—Advices from Belgium note an advance of 4 to 6c. per bbl., and it is difficult to obtain supplies. Local prices as a result have been marked up 5c. per bbl. on Belgian and German. The former is now quoted at \$1.85 to \$2.05, and the latter \$2.35 to \$2.50. English is unchanged at \$2.25 to \$2.35.

FIREBRICKS—Demand for firebricks is fully up to the average for the season, and prices are maintained at \$16 to \$21 per 1,000, as to brand.

METALS.

There has been no striking feature in heavy iron and metals, except continued firmness in both tin and copper.

PIG IRON—Reports from the States, noting a stronger market on pig iron, will affect local prices if there is any material advance there. We quote as follows: No. 1 Hamilton, \$15 to \$16; No. 2, \$14.50 to \$15; Ferrona, \$15; Siemens \$15, and Summerlee and equal brands, \$17, ex wharf, and \$18 to \$18.50 ex yard.

BAR IRON—There has been a better enquiry for bar iron this week, and values are steady at \$1.35 to \$1.40.

HOOPS AND BANDS—Trade remains much the same, and we quote values \$1.75 to \$2.

SHEET STEEL—Business continues quiet. We quote: 12 gauge, \$2.20 per 100 lb.; 16 gauge, \$2.35; 18 to 20, \$2.25 to \$2.35; 22 to 24, \$2.25 to \$2.35; 26, \$2.30 to \$2.40; 28, \$2.40 to \$2.50; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lb.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26, \$3.75.

SHEET IRON—There is only a moderate demand experienced. We quote: \$2.15 on 10 to 16 gauge; \$2 on 18 to 20 gauge; \$2.10 on 22 to 24 gauge; \$2.20 on 26 gauge, and \$2.25 on 28 gauge.

GALVANIZED IRON—Import orders have been more numerous this week, but movement from store continues light. We quote: "Queen's Head," No. 28, \$4.10 to \$4.15, and "Comet," do., \$3.75.

INGOT COPPER—There is a very firm tone abroad in this metal, and values here are stiff at 13c.

SHEET COPPER—Quiet and steady at 15½c. for 16-oz., and 16½c., for 14-oz.

INGOT TIN—The advance asked last week

Steel of all kinds

Sanderson's

Cast Steel for Tools, Dies, Drills, Cant Hooks, etc.
A good assortment in stock.

"Gautier"

Merchant Steel, Bessemer and Open Hearth, for all purposes. Agricultural steels and finished shapes a specialty.

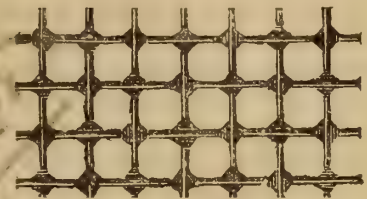
Sheet Steel, dead flat or ordinary, in all grades

A. C. LESLIE & CO.

Montreal.

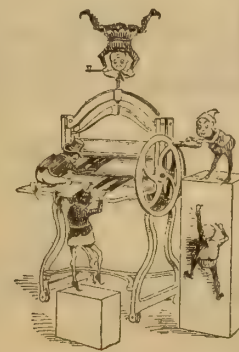
Wire Cloth.

Re-galvanized Wire Cloth for Fruit Drying,
Cinder Sifter Cloth. Fanning Mill and
Hardware Grade Wire Cloth.



The B. Greening Wire Co., Limited

MONTREAL AND HAMILTON



Mangles

Always in season,
but especially so
in hot weather.

Three different
kinds—send for
Catalogue.

Should be univer-
sally used.

THE DOWSWELL MANUFACTURING CO., Limited

Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers,
Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

is maintained, "Straits" being quoted at 17 1/2 c. and "Lamb" and "Flag" 18c.

PIG LEAD—Business very quiet and prices steady at \$3.80.

IRON PIPE—This article has been moved in fair-sized lots. We quote as follows: Black pipe, 1/4-inch and 3/8-inch, \$1.95; 1/2-inch, \$2.20; 3/4-inch, \$2.65; 1-inch, \$3.65; 1 1/4-inch, \$4.75; 1 1/2-inch, \$6.25, and 2-inch, \$8.25. Galvanized, 1/2-inch, \$3.85; 3/4-inch, \$4.70; 1-inch, \$6.50; 1 1/4-inch, \$9; 1 1/2-inch, \$11.50, and 2-inch, \$16.

LEAD PIPE—Unchanged at 7 1/2 c., for composition waste, and 7c., for lead with 25 per cent. discount.

CANADA PLATES—These are very firmly held, though trade has been inactive this week. We quote: 52's, \$2.15; to \$2.20; 60's \$2.30, and 75's \$2.40 to \$2.45. Full polished, \$3.

TIN PLATE—Business is quiet, but values are stiff. We quote as follows: Coke, I.C., \$2.90 to \$3.25; charcoal, I.C., Allaway or Comet brands, \$3.25; do, I.X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I.C., \$3.95; do, I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Quiet, but firm, at \$6 to \$6.25.

TINNED IRON—Business moderate and values firm.

COIL CHAIN—There is a quiet demand. We quote: 1/4-inch, \$5; 5-16, \$3.50; 3/8, \$3.25; 7-16, \$3.15; 1/2-inch, \$3, and 3/4 up, \$2.85.

SHEET ZINC—Unchanged at 5 3/4 to 6c.

SOLDER—Steady at 11 1/2 c.

ANTIMONY—Trade is fair and prices firm at 9 1/4 to 9 1/2 c.

SPELTER—There is a fair trade doing at \$5.40 to \$5.50.

SCRAP IRON—Quiet. A few lots of No. 1 wrought scrap have sold at \$12.50 per ton in round lots.

GLASS.

There is a much firmer feeling in window glass abroad, and it is expected that if it continues a rise in spot prices is inevitable. We quote: First break, \$1.50; second, \$1.60 per 50 feet; first break per 100 feet, \$2.80; second, \$3; third, \$3.30; fourth, \$3.50; fifth, \$3.70; sixth, \$4.25, and seventh, \$4.75.

PAINTS AND OILS.

Trade has continued extremely quiet during the past week, sorting orders being practically all that is available for the general trade, although the consumption of the manufacturing trades still keep up fairly well. The feature of the week is strengthening in value of turpentine which has gained 2c. at shipping points, owing to the continued heavy export demand and a corresponding advance has been made locally.

Linseed oil continues quiet, and we have to report a decline of 1c. The season for Paris green being over, and stocks well cleared up, we omit it from our quotations.

WHITE LEAD—Best brands, Government standard, \$5.62 1/2; No. 1, \$5.25; No. 2, \$4.87 1/2; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4 1/2 c.; kegs, 4 3/4 c.; No. 1, casks, 4 1/4 c.; kegs, 4 1/2 c.

WHITE ZINC PAINT—Pure, 6 1/2 c.; No. 1, 5 3/4 c.; No. 2, 5c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 48c.; boiled, 51c., five-barrel lots one cent less net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 45c.; large lots, 1c. less, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8 1/4 to 8 1/2 c.

SEAL OIL—37 to 40c.

COD OIL—Supplies light, and prices firm at 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4 1/2 to 5 1/2 c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

There has been little business in hides, and values are steady. Lambskins are firm at 40c., and beef hides are steady: No. 1, 9c.; No. 2, 8c.; and No. 3, 7c.

PETROLEUM.

Business has been fair in petroleum, and prices steady. We quote: Canadian in small lots, 14c.; Crown Acme, 16c.; American prime white, 17c.; water white, 18c.; Pratt's astral, 19 1/2 c.

MONTREAL NOTES.

Linseed oil is easy, declining 1c. per gallon this week.

There has been an advance in turpentine of 2c. per gallon.

The price of binder twine at the factory has been reduced 1c.

Private cables advise a rise of 4 to 6c. per barrel in cement in Belgium.

Window glass has advanced 2 points in Belgium, and is strong at the rise.

An evidence of the enormous trade done during July was shown **HARDWARE AND METAL** this week. A wholesale firm showed monthly statements of sales to two hardware firms, one was for a total of \$20,000 and another for \$18,000.

OAKEY'S

'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for
Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and
Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

Portland Cements

Best German, English and Belgian Brands

Calced Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

ONTARIO LEAD AND
WIRE CO'Y, Limited

TORONTO.

Manufacturers of . . .

"Somerville's" Absolutely Pure
and Decorators' Extra

WHITE LEAD

also

"Ontario" Pure, Nos. 1, 2, 3 and 4.

Wire Nails . . .
Barb Wire and Staples
Ross Braid
Ribbon Fencing
Shot, Lead Pipe, and Traps

Importers and dealers in

PLUMBING AND
STEAM FITTERS' SUPPLIES

Factory—55, 57 and 59 Richmond St. East.
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WRITE FOR OUR PRICES

We are the Oldest and Largest Manufacturers of

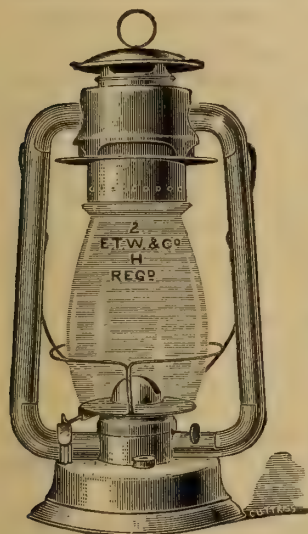
SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The...

John Morrow Machine Screw Co.
Ingersoll - Ontario.

E. T. WRIGHT & CO.



Manufacturers
of...

Tubular and
Cold Blast
Lanterns

Bird Cages
Mouse Traps
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Stamped
Re-tinned
and Japanned

...TINWARE

HAMILTON - CANADA.

If it's worth building at all
it deserves a good roof.

Isn't that true of any building?

Eastlake

STEEL SHINGLES

are recognized all through Canada
as the Reliable, Economical and
Durable roof covering for all build-
ings.



They're fire, rust and lightning proof—and they're easily and quickly
laid, because of their patent cleat (no other shingle has it).

If you haven't them in stock send for our Catalogue and Price List
and be prepared to supply these popular goods to your customers.

METALLIC ROOFING CO., Limited

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John Bowman Hardware and Coal Co.

180 to 182 York St. - LONDON, ONT.

Screen Doors

Woven Wire

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Full stock of seasonable goods. Prompt shipment. Close prices.

The...
**Dominion
Wire
Manufacturing
Company,
Limited.**

Manufacturers of

MONTREAL.



TORONTO.

Iron, Steel,
Brass and
Copper...

WIRE

WIRE NAILS and WOOD SCREWS
BRIGHT WIRE GOODS...

STEEL and BRASS JACK CHAIN
"CRESCENT" COAT and HAT HOOKS

Ask for "Dominion" Goods.

Guaranteed and
SECOND TO NONE

ONTARIO MARKETS.

TORONTO, August 19, 1898.

HARDWARE.

THERE is, naturally, at this time of the year, not a great deal doing in the way of new business, but there is just now a good deal being done in forward shipments, and in this respect more is being done than there was a week ago. In this way, large quantities of guns, rifles and ammunition have been shipped during the week. Binder twine is lower, but the season is about over, the enquiries only being for small lots. Cotton clotheslines are materially lower. Cut and wire nails are quiet. Horse nails, on the other hand, are moving a little more freely. A slight improvement in churns is to be noted. Belting is scarcely as active as it was. On the whole, business is good, for this time of the year.

BARB WIRE—Prices have been more firmly held on United States wire. In Canadian there is no change. We quote as follows: Four point, \$1.85 f.o.b. Toronto and London, and two point at \$1.90. Terms, 30 days or 2 per cent 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—A few orders have been received for oiled and annealed wire, but the principal business just now is in hay-baling wire. Discounts are: Annealed, oiled and annealed, 35 per cent.; galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 35 per cent.

WIRE NAILS—Trade is inclined to be slow, although a few larger shipments are being made than a week ago. The ruling price is still \$1.80 per keg, Toronto, although we hear of lower quotations in some instances.

CUT NAILS—A slight improvement is reported in the demand. Base price is \$1.75 per keg, Toronto, Montreal, Hamilton, London.

HORSE NAILS—Are moving more freely than a week ago. Discount: Standard, 50 per cent.; Acadia, 50 and 20 per cent.

HORSESHOES—Iron shoes have been going out more freely during the week, and a number of orders for steel shoes have been received. We quote: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—Trade is fair. Discounts are as follows: Flat head bright, 87½ per cent; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—A fair quantity of carriage bolts are moving. Other kinds are rather slow. Quotations are as follows: Com-

mon carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¼c.; hexagon, 5¼c.

RIVETS AND BURRS—Trade continues active. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—There is virtually nothing doing. Cotton clotheslines are cheaper. We quote: Sisal, 7-16 in. and larger 10½c.; ¾ in., 11c.; ¼ and 5-16 in., 11½c.; Manilla, 7-16 in. and larger, 13c.; ¾ in., 13½c.; ¼ and 5-16 in., 14c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

CHURNS—Trade is a little better. We quote discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—The increase in business noticed last week continues. We quote as follows: "New Leader" "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50.

BELTING—Orders are not quite as numerous as they were, but there is still a fair business being done. We quote as follows: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

HINGES—Business is moderate. We quote as follows: 6 to 12 inch, inclusive, at \$3.15 per 100 lb., and 14 - inch and upwards at \$2.35; light T and strap, 70 and 10 per cent.; screen door hinges, \$6.50 per gross pair.

SPADES AND SHOVELS—Trade is still slow. Discount, 40 and 10 to 45 and 2½ per cent.

BUILDING PAPER—Quiet. We quote as follows: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred; asbestos paper, 6½c. per lb.

WARE—A good deal of activity in granite

ware has been experienced during the past week, and a fair business is being done in tinware.

CEMENT—The demand for Portlands is such that dealers find difficulty meeting it. Asbestos cement, used extensively by plumbers and steamfitters, is now included in our list. We quote in barrel lots: Canadian Portland, \$2.70 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.35 to \$2.50; Canadian hydraulic cements, \$1.00 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

METALS.

PIG IRON—We quote as follows: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$11.80 per ton; No. 2 ditto, \$11.55; No. 1 Northern American soft, \$11.80; No. 2 ditto, \$11.55. Hamilton iron, No. 1, in 100-ton lots, \$14, on track Toronto.

BAR IRON—Quiet and unchanged. We quote base price \$1.45 to \$1.55 from stock, and \$1.35 to \$1.45 from factory.

HOOP AND BAND IRON—Quiet. We quote: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—Trade keeps steady and prices unchanged. We quote: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Business continues fair. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Shipments from stock have been quite heavy, and trade generally is reported to be satisfactory. We quote as follows: Queen's Head (case lots), 16 gauge, 3¾c.; 18 to 24, \$3.87½c.; 26, 4¼c.; W. G. 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, \$4; 26 gauge, \$3.75; 22 to 24 gauge, \$3.50. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are ¼c. per lb. higher than figures named.

INGOT COPPER—Has been moving slowly the past week. We quote: 12½c. for quantities and 12¾ to 13c. for small lots.

SHEATHING COPPER, ETC.—An improvement in the demand is to be noted, especially for braziers' and roofing copper. Prices are firm. We quote: Sheathing copper, 15½ to 16½c., according to weight

and quantity; braziers', 15 1/2 to 17 1/2 c. per lb., according to gauge.

INGOT TIN—Trade is fair. The market keeps steady. We quote: Straits, 18c. per lb.; Lamb and Flag, 18 1/2 c. per lb.

PIG LEAD—A number of good orders have been received doing the week, but generally speaking, trade is quiet. We quote 4 to 4 1/4 c. per lb.

IRON PIPE—Is moving freely, and stocks are light. We quote: Black pipe, per 100 feet, 1/4 to 3/8 inch, \$2 to \$2.05; 1/2 inch, \$2.15 to \$2.20; 3/4 inch, \$2.62 1/2; 1 inch, \$3.60; 1 1/4 inch, \$4.75; 1 1/2 inch, \$6.20; 2 inch, \$8.30. Galvanized, 1/2 inch, \$3.50 to \$3.80; 3/4 inch, \$4.20 to \$4.60; 1 inch, \$5.85 to \$6.20; 1 1/4 inch, \$8.05 to \$8.25; 1 1/2 inch, \$11 to \$11.25.

RANGE BOILERS—Trade keeps fair. We quote: Galvanized, 30 gals., \$5.25 to \$5.50; 35 gal., \$6.25 to \$6.50; 40 gal., \$7.25 to \$7.50; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES Quiet. Quotations as follows: Half-polished, 52-sheet boxes, \$2.35; ditto, 60-sheet boxes, \$2.40; dull, 75-sheet boxes, \$2.50; ditto, "Alaska," \$3.

TINPLATES—There has been quite a demand during the week for coke and other quality of large sizes, principally for roofing purposes. The demand for the regular charcoal sizes has not been quite so good. We quote as follows: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

TINNED IRON—Trade during the whole season has been exceptionally good. Stocks are now low, large lots having been sold for other than can trimmings. We quote: 5 1/2 c. in case lots for 22 to 24 gauge, and 2 3/4 c. in lesser quantities; cut to size, 24 gauge, case lots, 4 3/4 c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6 1/4 c. for small lots.

COIL CHAIN—Business is moderate. We quote as follows: 1/4 in., \$4.65; 5-16 in., \$3.75; 3/8 in., \$3.25; 7-16 in., \$3.15; 1/2 in., \$3.10; 5/8 in., \$2.80; 3/4 in., \$2.75.

SHEET ZINC—Demand is good for small lots. Cask lots 5 3/4 c. per lb. and small quantities 6c.

SOLDER—Business is moderate. Strictly half-and-half, 12 1/2 c.; small lots, 13c.; standard, 11 1/2 c. per lb.

ANTIMONY—Not much doing. We quote: Cookson's, cask lots, 10 1/2 c.; smaller quantities, 11c.; other makes, 8 1/2 to 9c.

ZINC SPELTER—Trade continues fair at 5c. for ton lots, and 5 1/4 c. for small quantities.

PAINTS AND OILS.

There is practically nothing doing. Prices are firm. Turpentine has advanced 3c.

76,800 Daily Production.
5 Factories.
5 Brands.

For Sale all over the world.

NICHOLSON
FILES

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

Established 1773.

BRITISH PLATE GLASS COMPANY, Limited.

Manufacturers of POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS. Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass," St. Helens. Telephone No. 68 St. Helens.

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Files and Rasps

Standard Goods—Warranted.
Manufactured by
THE...
GLOBE FILE MFG. CO.
Port Hope, Ont.
MONTREAL WAREHOUSE—30 St. Dizier Street.

BARCLAY'S PATENT "TRIUMPH"
Adjustable Stove Pipe

Can be put up by the most inexperienced.
So constructed that when taken down can be nested and stored in small compass.
In crates of twenty-five.

Manufactured by
G. B. BARCLAY
168 Adelaide St. W. TORONTO

In Crates of 25.

The success of '98.

Clevelands

The highest type of that which is desirable in cycle construction.

\$55.00 \$70.00 \$80.00
30-Inch wheels, \$100.00

Agents everywhere. Write for Catalogue.

H. A. LOZIER & CO., Toronto Junction

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

AGENTS WANTED.

ROBERT MARPLES & SON, SHEFFIELD, JOINTERS' Tool and Garden Tool Manufacturers, require agents of first-class standing in Canada.

(35)

per gallon in the city and in western outside points, and 2c. in Ontario east of the 79th meridian. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

PARIS GREEN—Kegs, 16½c.; 50 and 100-lb. drums, 17c.; 1-lb. packages, 18c.; 1-lb. tins, 18½c.; cases, ½-lb. boxes, 19½c.

LIQUID PAINTS—Pure, \$1 per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 49c.; boiled, 1 to 4 barrels, 52c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 46c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

Business has begun to brighten up. The prospects for a brisk season are good, and prices are firm. We quote: First break in 30-foot boxes, \$1.60, and in 100-foot boxes, \$3; double diamond, under 25 united inches, \$4.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

HIDES, SKINS AND WOOL.

HIDES—The feeling continues easy, with quotations unchanged, as follows: No. 1, 9c.; No. 2, 8c.; No. 3, 7c.; cured, 9½ to 9¾c.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—The price of lambskins and shearlings is firm at an advance of 5c., the price now being 50c.

WOOL—The market is dull, with prices unchanged at 10c. for unwashed and 16c. for fleece.

OLD MATERIAL.

Business is quiet. No change is yet noted in prices, but holders of large quantities may, without difficulty, secure better returns than those quoted. We quote as follows: Agricultural scrap, 45c. per cwt.; machinery cast, 52½c. per cwt.; stove cast scrap, 30c.; No. 1 wrought scrap, 40 to 50c. per 100 lb.; No. 2, including sheet iron and hoop iron, 10c.; new light scrap copper, 7¼c. per lb.; bottoms, 7c.; heavy copper, 7½ to 8c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2c.; scrap rubber, 3½ to 3¾c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

COAL.

Trade is commencing to pick up throughout the country. Prices are unchanged. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

PETROLEUM.

Demand fair. Prices good. We quote at Toronto, as follows: Canadian, 13½c.; Sarnia water white, 15c.; American water white, 16½c.; Pratt's astral, 16c., in bulk.

MARKET NOTES.

Cotton clothesline rope is quoted lower. Asbestos cement is quoted at \$2.50 per barrel.

Barb wire is 5c. per 100 lb. dearer f.o.b. Cleveland.

The carriage-building season is about over. It has been an exceptionally good one.

Turpentine has advanced 3c. in Toronto, and at outside western points, and 2c. in Ontario, east of the 79th meridian.

The Gurney Foundry Co., Limited, Toronto, are delivering to the Upper Canada College, Toronto, one of the largest heavy-duty ranges they have yet built. These ranges will also be placed in the Royal hotel, and the new hotel Waldorf, Hamilton, and the Walper house, Berlin, Ont.

IT WAS A CLIFF-WARDLAW.

In the last issue of **HARDWARE AND METAL** there was an item regarding the erection of an acetylene gas plant at the Algonquin hotel, Stanley Island, St. Law-

rence river. It should have been explained that the machine was one of the Cliff-Wardlaw generators, made by the Safety Light & Heat Co., Dundas, Ont., and that Mr. Cliff superintended the construction and installation of the same. This explanation is made in justice to the Safety Light & Heat Co.

BUSINESS FOR SALE.

BUSINESS OPENING IN B.C. AN OLD ESTABLISHED Hardware, Plumbing, and Tinning Business for sale, in one of the best growing towns in the West. Electric light and waterworks. Good, clean stock. Address, BUSINESS, care HARDWARE AND METAL. (34)



SEALED TENDERS addressed to the undersigned, and endorsed "Tender for Superstructure Edmonton Bridge," will be received at this office until Tuesday, 13th September next, for the construction of the superstructure of a railway and general traffic bridge at Edmonton N.W.T., according to plans and a specification to be seen at the office of F. K. Gibson, Esq., Town Clerk, Edmonton; at the office of W. T. Gouin, Resident Engineer, Winnipeg; at the office of C. Desjardins, Clerk of Works, Post Office Building, Montreal, and at the Department of Public Works, Ottawa.

Tenders will not be considered unless made on the form supplied and signed with the actual signatures of tenderers. An accepted bank cheque, payable to the order of the Minister of Public Works, for seven thousand dollars (\$7,000 00), must accompany each tender. The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order, E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, August 12th, 1898.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (35)

America's FAMOUS Washing Machine.

Manufactured by the
Toronto Special Machinery Co.
154 Spadina Ave., Toronto, Ont.

This is the only Practical Washer on the market. Actual trials have proved that it will wash cleaner, more easily and quickly, with less wear on the clothes, than any other machine in use. SEND FOR PRICES AND TERMS TO DEALERS.

Headquarters for
the celebrated
**HEINTZ
STEAM
SAVER**

Engineers' & Plumbers' Supplies

JMT
VALVES

The Jas. Morrison
Brass Mfg. Co.
Limited
Toronto

STOVE BOLTS TIRE BOLTS RIVETS

WRITE FOR PRICES.

**CHALCRAFT
SCREW CO.
BRANTFORD, ONT.**

GREENING'S

IMPROVED CATTLE CHAINS

Strongest and Best
on the market.

Have stood the test
for years.



Open Ring. Made in Six Sizes.

Small Close Ring. Large Close Ring. Made in Six Sizes.

Walton or Three Chain. Made in Six Sizes.

THE STRENGTH of a Tie is that of its weakest part. Ours are of uniform strength throughout. It will pay to handle only the best.

Our Ties are numbered from 1 to 5/0, and may be described as follows: No. 1, Calf Tie; No. 0, Light Cow Tie; No. 2/0, Cow Tie; No. 3/0, Stock Cattle Tie; No. 4/0, Light Bull Tie; No. 5/0, Extra Heavy Bull Tie.

A complete line of all sizes ready for shipment.
Manufactured under Patent No. 50925.

FOR SALE BY ALL JOBBERS.

THE...

B. Greening Wire Co.

Limited

HAMILTON AND MONTREAL.

Patent Stall
Fixture.

We make a special Tie, in five sizes,
adapted for the above.

TRADE CHAT.

OVER 8,000,000 feet of deals were shipped one day last week from St. John, N.B., for British ports by three steamers and one ship.

Galt is making a bid for the R. H. Smith & Co.'s saw works of St. Catharines, Ont.

Over sixty stores and office buildings were recently burned in Bismarck, North Dakota, U.S.A.

Taking Clinton as a centre it is said that in a radius of 16 square miles there are no less than 36 blacksmith shops.—Clinton New Era.

Hon. Mr. Fielding, with some of the officials of the I.C.R., was in St. John, N.B., last week to choose the site for the new grain elevator to be erected there.

The Wiarton, Ont., Canadian says that yields of 35 bushels of wheat to the acre are numerous in that vicinity. A good deal of it has been marketed, and brought 63 to 67c. per bushel.

On Saturday last, the building occupied by the Jenckes Machine Co. and Canadian Rand Drill Co., Sherbrooke, Que., was burned to the ground, causing a loss estimated at \$200,000 to \$250,000. This loss was partially covered by insurance.

The Winnipeg board of works has recommended to the council of that city the acceptance of the tender of The Gartshore-Thompson Co., of Hamilton, for the pipes and special castings required for the new city waterworks.

Brantford has a roller boat. It was invented and built by John Costin, of that city. It was recently tested, but, as it drew too much water, it was decided that it would be dangerous to trust anyone within the cylinder, where benches for passengers were provided. The inventor, however, still hopes to make it roll.

"BLUED" STEEL.

The "bluing" adopted for ornamental purposes on various manufactures of iron and steel, and the processes for obtaining it, are not generally applicable to drawing temper by color, although some of them are used for this purpose. The following two, according to an exchange, may be convenient to use when a blue is wanted on articles which are not to be much heated. The first is nearly black. The work must have a high polish and may be thoroughly cleansed with benzine. A concentrated solution of nitrate of copper is applied while the articles are slightly heated. The shade may be varied from a blue-black to a brown-black by adding more or less nitrate of manganese. The articles must be well polished and well cleaned to ensure success, and may be coated, when dry, with

thin varnish, or rubbed with oil and wax. The other method is to make a solution of hyposulphite of soda, 4 ounces to 28 ounces of water. Mix this with another solution of 1 ounce of acetate of lead in 28 ounces of water. When the mixture is brought to a boiling heat the articles to be treated are dipped in, and remain until they are heated, and are dried when removed in clean sawdust. These methods may give a good color, but it is hardly probable that it will be as permanent as that obtained by the simple action of heat.

PREPARATION OF CORUNDUM.

In preparing corundum for market, explains an exchange, the raw material is first washed thoroughly in sluice boxes and shallow tanks, in order to remove the lighter alluvial matter, chlorites, etc. If no other impurities are present, a clean, marketable product is the result; if any heavier crystalline matter is also present, after washing the material, it is passed through screw conveyors, and from thence to mullers, wherein the impurities are ground up by the abrasive action of the corundum, and afterwards eliminated by a further washing. On the whole, this wet process is not satisfactory, and a large percentage of the product marketed does not fully meet the wants of the abrasive trade, because of neglect or inability to remove the foreign crystalline matter. It seems probable that the best results in cleaning corundum can be obtained through some form of dry process by attrition. As corundum is $2\frac{1}{2}$ times harder than any of the impure matters associated with it, and can be depended upon to cut those impurities into powder, it is necessary to have a process wherein a high degree of friction is obtained. Heat generated by such a process would not be injurious, but, on the contrary, beneficial in promoting the disintegration of the refuse. This process would be more rapid and cleaner, while a more satisfactory product would be secured. The corundum would receive no injury whatever in thus being temporarily used as a pulverizer, but a slight loss in the shape of flower corundum would ensue.

OLDEST ENGINE IN THE WORLD.

What is said to be the oldest engine in the world is in the possession of the Birmingham Canal Navigations, England, and was constructed by Bolton & Watt in the year 1777. During the present year (1898), this remarkable old engine, which has been regularly at work from the time of its erection to the current year, a period of, say, 120 years, was removed to the Canal Co.'s station at Ocker Hill, Tipton, there to be reerected and preserved as a relic of what can be done by good management when dealing with machinery of good quality.—The Manufacturer.

**"AS
"IN
"A
"LOOKING
"GLASS."**

Whenever the Varnish and Colors of

**THE
CANADA
PAINT
COMPANY**

(Limited)

are used, their beauty is reflected by the improved appearance of the district using these goods, and the smart and durable appearance shown by all the buildings and articles upon which the manufactures of this Company are applied.

**THE
CANADA
PAINT
COMPANY**

(Limited)

**MONTREAL
TORONTO
VICTORIA**



VanTuyl & Fairbank
Petrolia, Ont.
Headquarters for . .
**Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.**

SPORTSMEN

NOTE

THE ABBEY IMPROVED CHILLED SHOT
NEWCASTLE, ENGLAND.

Is made by a New Process, and is highly spoken of by Sportsmen and Sporting Papers. Kills at greater distance than Soft Shot. Gunmakers wishing repeat orders should load with this shot.

The Portland Rolling Mills Co., Limited

Manufacturers of

Refined Bar Iron
Railway Spikes
Pressed Spikes
Nails and Tacks
"Diamond" Brand Horse Shoes

ST. JOHN, N.B.



ONE
DOLLAR
A
YEAR

★
Sample
Copy
Free

★
D. T. Mallett
Publisher
271 Broadway
New York



**"JARDINE"
TIRE UPSETTERS
WILL UPSET TIRES**

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

**PATENTS
PROMPTLY SECURED**

Write today for a free copy of our interesting books "Inventors Help" and "How you are swindled." We have extensive experience in the intricate patent laws of 50 foreign countries. Send sketch, model or photo. for free advice. **MARION & MARION**, Experts, New York Life Building, Montreal, and Atlantic Building, Washington, D. C.

PARIS ELECTRO PLATING CO.

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings, Piano Stool Feet, Novelties, etc. Bicycle Work a specialty. Special attention given to Job Work of all kinds in Brass and Nickel Plating.

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.

It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

FULL LINE OF

WAREHOUSE (Portable or Dormant)

HOPPER SCALES

DAIRY SCALES, COUNTER SCALES

WAGON SCALES

TRACK SCALES

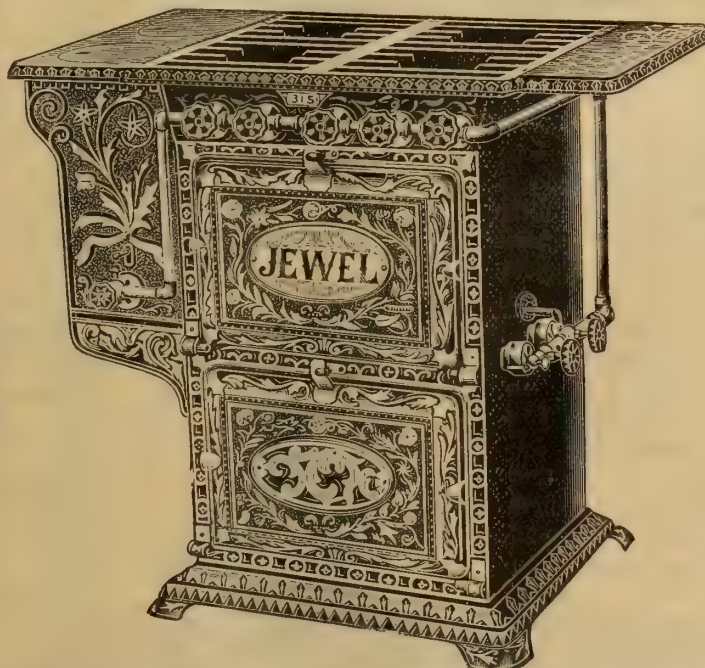
THE GURNEY SCALE CO., - Hamilton, Ont.

WALTER GROSE, 30 St. Dizier St., Montreal, Que.

Agent for Montreal and Eastern Provinces.

Jewel Gas Ranges

Improved Slotted Burners with Removable Thimble Cap.



Well known as the most perfectly fitted, most efficient, and successful and most economical.

MADE IN

10
STYLES.

Roasting and Baking Ovens—with or without Extension for heating

Hot Water Boiler.

Manufactured by

The Burrow, Stewart & Milne Co., (Limited) Hamilton, Ont.

HEATING AND PLUMBING

ABILITY OF CANADIAN PLUMBERS.

(Contributed)

A RECENT issue of The Canadian Engineer contained an article on the methods of the National Association of Master Plumbers of the Dominion that merits a reply from the executive of that organization. While we are opposed to anything in the nature of monopoly or combine, the very unbusinesslike methods that have, of late years, become too common in connection with the plumbing trade, warrants us in saying that the master plumbers were none too soon in organizing. In other countries, of late years, it has been deemed necessary, for the protection of the public against the evils of unsanitary plumbing, as done by the "jerry" builder and dishonest plumbers, to pass laws calling for the registration of plumbers; also the examination of both masters and men. All cities up-to-date have plumbing by-laws, with inspectors appointed to see said laws properly carried out. In Canada, we are rather behind than in advance of this movement, which, by the way, we regret to say did not originate with the plumbers, who were quite prepared to go on pursuing the antiquated methods that the discoveries of modern science have shown to be so dangerous to health, but was called for by leading physicians and sanitarians. The leading master plumbers were not slow, however, in seeing the necessities of the case, and are now well to the front in this important sanitary movement, and are now, perhaps, a little in advance of public sentiment. Toronto plumbers took up the question some years ago, and were followed by Montreal; but to the Montreal plumbers is due the credit of organizing the Dominion Association. And its first meeting was held in Montreal. When the law interferes in the general interests to protect the public against incompetent lawyers and doctors, carefully safeguards the sale of poisonous drugs, and so on, through quite a long series of laws framed to protect those unable to protect themselves, we see no reason why the ignorant, incompetent, or dishonest plumber should be free to lay on sewer gas, and by unscientific and unsanitary methods cause illness and death. We are quite within the mark when we say, more people are annually poisoned from the entrance of foul gases into their dwellings, owing to defective plumbing, than meet with a similar fate from drugs. Yet, the druggist must be trained and educated, and conform strictly to the law, while the plumber is free to ex-

ercise his deadly calling without let or hindrance. If the plumbers of some of our cities were called upon to pass an examination, showing a practical and scientific knowledge of the very elementary principles of their trade, we fear the public would be appalled at the amount of ignorance shown by those in whose hands are placed the health, if not the very lives of those dwelling in our cities and towns. Laws should not only be passed to prevent a continuance of this state of things, but they should be rigidly enforced. Montreal, we know, has a fair plumbing by-law, but we fear it is more honored in the breach than in observance. Our Montreal master plumbers cannot bestir themselves too soon in bringing about a better state of things. Other cities in Quebec are much behind Montreal.

AMENDMENT TO PLUMBING BY-LAW.

THE following is a copy of the proposed amendments to the Montreal plumbing by-law No. 215, which is now awaiting a second reading by the city council:

Whereas, this council has been given power to establish a board of health and to grant thereto power and authority to take means to promote the health of the city, to provide precautionary measures against the introduction of diseases, etc.;

And, whereas, the existence, within the city limits, and especially within the densely populated districts thereof, of pit-in-the-ground privies is a menace to public health and a frequent cause of disease;

It is ordered and enacted by the said council as follows:

Sec. 1.—Paragraph (41) of section 4 of by-law No. 215, passed on June 4, 1884, and entitled "By-law concerning plumbing, drainage and ventilation of buildings," is amended by striking out all the words in the first three lines of said paragraph and by replacing them by the following, so that the said paragraph reads as follows:

(41).—No privy vault or cesspool for sewage, shall be, after May 1, 1899, permitted to remain in any part of the city where water closets can, by means of a drain not over 200 feet in length, be connected with a public sewer in the street. When no sewer exists in the street, a permit for a tem-

porary privy may be granted by the board of health; and in such case it shall be water-tight, of a capacity of 45 cubic feet; the sides and bottom shall be constructed of cemented brick, 12 inches in thickness, and well cemented inside with hydraulic cement; such vault may be constructed of cast iron, the shape or form of which shall be either circular or oblong, without angles, and with a concave bottom; it shall be provided with a ventilation pipe at least four inches in diameter, extending from the pit through the roof sufficiently high to prevent inconvenience to occupants of neighboring houses; the seats shall have a tight-fitting cover; it shall have an aperture opening exteriorly to allow of cleaning by pneumatic process, such aperture to be 2 feet by 1½ feet in size; or else the flooring shall be air-tight and shall have a tightly fitting trap-door communicating with the pit; the top of the vault shall be one foot above the level of the ground; nothing shall be put into such pit, except human excreta; privies shall be located at a distance of 20 feet (or more, according as the board of health may deem necessary) from any house or street; they shall be emptied when the contents reach to within 18 inches of the top of the vault, by persons appointed by the board; no offensive smell or gases shall be allowed to escape therefrom. But, in no case shall a privy be allowed within the walls of a dwelling-house or in any property situated in a street having a sewer.

Sec. 2.—The said by-law is further amended by adding, after section 5, the following:

Sec. 6.—For each day after May 1, 1899, that any privy vault or cesspool for sewage shall be permitted to remain within the city limits, in contravention of paragraph (4) as above amended, the owner of the property shall be liable to a minimum fine of \$1, recoverable through a recorder's court on action of the health department or of any member of the board of health.

Sec. 3.—Section 6 of such by-law becomes section 7.

HEATING AND PLUMBING CONTRACTS.

Alex. McKay & Co., plumbers, Montreal, have the following contracts on hand: The heating of the residences of Mr. Sinesdale, Dorchester street, and W. H. Talbot, St. James street, St. Henri; the heating and plumbing of the residence of Mr. Kennedy, manager of the Nova Scotia Bank, Peel street; the plumbing, heating and ventilating for two residences belonging to Mr. Le Claire.

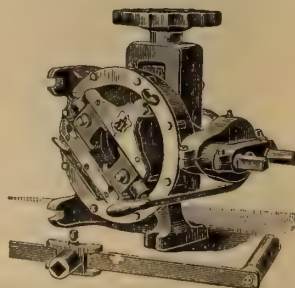
D. Ouimet, plumber, Montreal, has the plumbing work for the Grey Nunnery, corner of Guy and Dorchester streets; the roofing (in slate and copper) of St. Jean Baptiste church, Rochelle street.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.



New No. 0 Threading Machine.

THE ARMSTRONG MFG. CO.

New York Office:
139 Centre Street

Bridgeport, Conn.

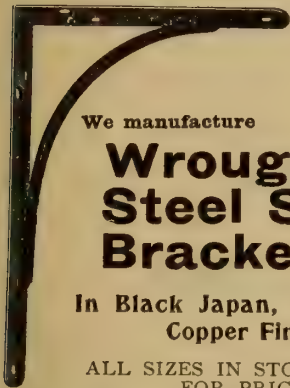
"Tandem" Anti-Friction Metal

suitable for all purposes.

- A For heavy pressure and high speed.
- B For medium pressure and high speed.
- C For low pressure and highest speed.

If your dealer does not carry this line, order direct from

Lamplough & McNaughton
Montreal



We manufacture

Wrought Steel Shelf Brackets

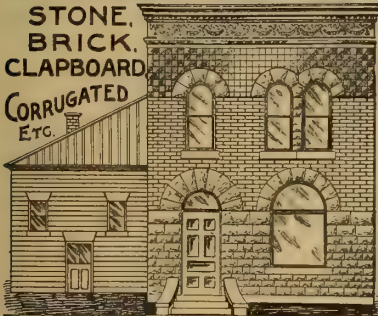
In Black Japan, Nickel and Copper Finish.

ALL SIZES IN STOCK. SEND FOR PRICES.

H. R. IVES & CO., Montreal.

STEEL SIDING

STONE.
BRICK.
CLAPBOARD
CORRUGATED
ETC.

**For**

Stores, Houses, Halls, Barns, Sheds, Churches.

Entirely water, wind, storm and fire proof. Will last 100 years and always look well.

Cheaper than matched Lumber. Shipped from factory all ready to apply. Fully illustrated catalogue sent on request.

The

PEDLAR METAL ROOFING CO.
Oshawa, Ont.

WARNOCK'S AXES

Lead All Others this season
Quality Counts with Canadian buyers.

JAMES WARNOCK & CO., GALT

Henderson & Potts

NOVA SCOTIA PAINT AND VARNISH WORKS.

Sole Agents for the Dominion for



HALIFAX, N. S., and 747 CRAIG STREET, MONTREAL.

Years of Study.

The Patent Bridled Brush that we make is the result of years of careful study—"practice makes perfect." We do not believe it is possible to improve upon its strongest points—painters will see them at a glance, even from the photographs we can send you or the brush itself.

A flexible, liquid-proof bridle, instead of cord or wire that ties bristles up into a hard knot in the centre. A Bridle that comes off and is put on in a second—a Bridle that keeps all flat brushes always flat.

Boeckhs' Bridled Brush for Painters.

BOECKH BROTHERS & COMPANY, Mfrs.
TORONTO, ONT.

ILLUMINATIONS FOR THE FAIR.

THE new illuminations at the Industrial Exhibition grounds, Toronto, are being erected by The John Ritchie Plumbing and Heating Co., Limited, Toronto. These illuminations are always a feature of the Industrial, but the additions this year are extensive. One large arch, with 500 globes; about 50 small arches, each with from 30 to 40 globes; 12 iron trees, each with 9 globes are being added. As the globes are of assorted colors the effect of these illuminations will be beautiful indeed.

Over the Exhibition office an illuminated device, representing the shamrock, rose and thistle entwined about the maple leaf, also in globes of assorted colors, will be constructed.

The John Ritchie Co. is also engaged in connecting all the necessary buildings and all portable engines in the Fair grounds with the waterworks system.

PLUMBING AND HEATING NOTES.

Harris & Hatfield, plumbers, Annapolis, N.S., have registered dissolution of partnership.

Jacotet & Frere, a Montreal plumbing and roofing firm, are reported to be endeavoring to arrange a compromise at 15 per cent.

There is a scarcity of dwelling houses in Brantford and in Petrolea, Ont.

The contract for the electric wiring of the new hospital, in London, Ont., has been awarded to The London Electric Co., at \$1,300.

Mariotte & Leblanc, Montreal, are remodeling their warehouse at the corner of St. Henri and St. Paul streets, and are asking for tenders for various branches of the work.

Elizabeth Paquette, wife of J. B. Genin, has registered as proprietress of the firm of J. B. Genin & Co., plumbers, Montreal.

H. P. Witton has taken out the permit, in Hamilton, for the three-storey brick factory at the corner of Queen and Greig streets, for the George E. Tuckett & Sons Co., to cost \$15,000. Wm. Hancock is the contractor.

The following building permits have been issued in Ottawa: F. McDougall, rough-cast dwelling, Cumberland street, \$800; public school board, school building, \$21,000; J. H. Connor, double frame dwelling, Second avenue, \$1,600; L. N. Richard, brick veneered house, Hickey street, \$1,200.

BUILDING PERMITS IN TORONTO.

Building permits have been issued in Toronto to A. Manning, for a second storey to the printing office at the rear of 24 King

street west, to cost \$1,000; to G. A. Newman, for a two-storey and attic residence on South Drive, Rosedale, near Sherbourne street, to cost \$3,000; to the Massey-Harris Co., Limited, for a three-storey and basement brick and stone factory on the southwest corner Strachan avenue, near King street, to cost \$8,000; to Mrs. I. V. Hunter, for two-storey and attic residence on the west side of Havelock avenue, to cost \$1,500.

MONTREAL BUILDING PERMITS.

The following permits have been recently issued from the Montreal City Hall: July 14, J. Benoit, a dwelling on Soulanges street, to cost \$4,000; July 19, estate of J. Labinc, a dwelling on Dufresne street, to cost \$1,250; July 25, Mad. J. Bouturo, a dwelling on Berri street, to cost \$3,500; July 27, P. Haulzet, a dwelling on Frontenac street, to cost \$2,000; July 27, K. Levi, a dwelling on Lagachetiere street, to cost \$2,000; August 4, George Lamour, a dwelling on Seaton street, to cost \$2,000; August 9, J. B. Allaire, a dwelling on Esplanade avenue, to cost \$9,000; August 11, J. B. Zappa, a dwelling on Desiry street, to cost \$1,800; August 15, S. Robertson, a skating rink on Chausse street, to cost \$4,000; August 19, the Jesuit Fathers, an extension to one of their colleges, to cost \$18,000.

IDEAS WANTED.

No matter in what part of the Dominion you are situated, an expression of your views on any subject, relative to the heating and plumbing trade, is solicited by the editor of this department. No reader should wait for a personal invitation. Assistance thus rendered, as well as suggestions for making this department more valuable to subscribers, will always be in order.

A PUSHING SCREW FIRM.

The Chalcraft Screw Co., Brantford, which commenced the manufacture of screws, bolts, rivets, fence wire, tinsmiths' wire, etc., about a year ago, is gradually working up a good business. Messrs. Chalcraft, the proprietors, deserve to succeed, inasmuch as they have shown the right qualities from the beginning—pluck and perseverance. They are now seeking to still further extend their business, and their advertisement in this issue should receive the closest attention from those using or handling the goods they manufacture.

Freeman & Irwin, lumber dealers and general merchants, Haliburton, Ont., have dissolved partnership, J. W. Irwin retiring and Fred. Freeman continuing in his own name.

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

... TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.



SEALED TENDERS addressed to the undersigned, and endorsed "Tender for Public Building, Ingersoll, Ont.," will be received until Tuesday, August 23rd, 1898, for the construction of a Building at Ingersoll, Ont.

Plans and specification can be seen and form of tender and all necessary information obtained at this Department and at the office of J. B. Jackson, Ingersoll, Ont.

Persons are notified that tenders will not be considered unless made on the printed form supplied and signed with their actual signatures.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Honourable the Minister of Public Works, equal to ten per cent. of amount of the tender, which will be forfeited if the party declines to enter into a contract when called upon to do so, or if he fails to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. ROY,
Department of Public Works,
Ottawa, August 5th, 1898. Secretary.

Newspapers inserting this advertisement without authority from the Department will not be paid for it.

(34)



SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for Heating Apparatus," will be received until Monday, 22nd inst., 1898, for the construction of a heating apparatus in the public building at Arnprior, Ont.

Plans and specifications can be seen and form of tender and all necessary information obtained at this department and at the office of the Clerk of Works, Arnprior, Ont.

Persons are notified that tenders will not be considered unless made on the printed form supplied and signed with their actual signatures.

Each tender must be accompanied by an accepted bank cheque, made payable to the order of the Honourable the Minister of Public Works, equal to ten per cent. of amount of the tender, which will be forfeited if the party declines to enter into a contract when called upon to do so, or if he fails to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. Roy,
Department of Public Works,
Ottawa, Aug. 5th, 1898. Secretary.

Newspapers inserting this advertisement without authority from the Department will not be paid for it.

(34)

The Toronto Patent Agency

Limited

CAPITAL = \$25,000

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**79, 80, 81, 82 Confederation Life Building
TORONTO, ONT.**

General Patent Agents in procuring Home and Foreign Patents and all matters pertaining to Patents and Patent Causes, also the buying and selling of Patents, and the Organizing and promoting of Joint Stock Companies. List of 500 inventions wanted and list of Canadian Patented inventions for sale, mailed to any address free, address

The Toronto Patent Agency

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TORONTO, ONT.

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

— MONTREAL, QUE.

CORPORATE MARK



JOSEPH RODGERS & SONS, Limited.

MANUFACTURERS OF

Pocket and Table Cutlery, Scissors, Razors, Erasers, Etc.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for Canada,

JAMES HUTTON & CO.,

Montreal

CURRENT MARKET QUOTATIONS.

Aug. 19, 1895

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—
56 and 28 lb. ingots, per lb. 0 00 0 18
Straits 0 00 0 17½

Tin Plates.

Charcoal Plates—Bright.

M.L.S., equal to Bradley. Per box. \$5 00
I.C., usual sizes 6 25
I.X. 7 50
I.X.X. 7 50

J. R. & Co.—
I.C. 4 75 5 00
I.X. 6 00 6 25
I.X.X. 7 25 7 50

Famous—
I.C. 5 00
I.X. 6 25
I.X.X. 7 50

Riven & Vulture Grades—
I.C., usual sizes 3 50
I.X. 4 25
I.X.X. 5 00
I.X.X. 5 75
D.C., 12½x17 3 00
D.X. 3 75
D.X.X. 5 75

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Bessemer Steel—
I.C., usual sizes 3 00
I.C., special sizes, base 3 15
20x28 6 00 6 25

Charcoal Plates—Terne.

Dean or J. G. Grade—
I.C., 20x28, 112 sheets 6 00
I.X., Terne Tin 7 50
I.C., Orion 6 00
I.X., Orion 7 50

Charcoal Tin Boiler Plates.

Cookley Grade—
X.X., 14x56, 50 sheet bxs } Per lb.
" 14x60 " } 0 05¼ 0 06
" 14x65, " }

Tinned Sheets.
72x30 up to 24 gauge 0 05¼ 0 06
" 26 " 0 06¼ 0 06½
" 28 " 0 07 0 07½

Iron and Steel.

Common Bar, per 100 lbs 1 50 1 60
" from factory " 1 40 1 45
Refined " 1 80
Horse Shoe " 1 80
Band " 1 85 2 00
Hoop " 4 25
Swedish " 4 00 4 25
Sleigh Shoe Steel " 2 50
Fire Steel 2 50
Machinery 2 50 2 75
Cast Steel, per lb 0 10 0 14
Thos. Firth & Sons' Cast Steel 0 12 0 14
Russian Sheet, per lb 0 10½ 0 11
Tank Plates, 1-5 and thicker. 2 00 2 25
Boiler Rivets 4 50 5 00

Boiler Tubes.

1½-inch 0 06½
2 " 0 07½
2½ " 0 09¼
" 0 11

Steel Boiler Plate.

16 inch 2 00
" 1 90

¾ inch and thicker 1 75

Sheet Iron.

16 gauge and heavier 2 50 2 70
18 to 20 gauge 2 25 2 50
22 to 24 " 2 25 2 35
26 " 2 25 2 45
28 " 2 45 2 55

Canada Plates.

All dull, 52 sheets 2 25
Half polished 2 35
All bright 3 00

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ¾ inch, \$2 to \$2.05; ½ inch, \$2.15 to \$2.20; ¾ inch, \$2.32½; 1 inch, \$3.60; 1½ inch, \$4.75; 2 inch, \$6.25; 2½ inch, \$8.31.

Galvanized, ½ inch, \$3.50 to \$3.80; ¾ inch, \$4.20 to \$4.60; 1 inch, \$5.85 to \$5.25; 1½ inch, \$8.05 to \$8.25; 2 inch, \$11.00 to \$11.25. Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p. c.

Galvanized Iron.

Comet. Gordon. Queen's
16 gauge 3 75 3 75
18 to 24 gauge 3 25 3 50 4 00
26 " 3 50 3 75 4 20
28 " 3 75 4 00 4 45

Chain.

Proof Coil, 3-16 in., per 100 lbs 4 65
" ¼ " " 4 75
" 5-16 " " 3 75
" ¾ " " 3 25
" 7-16 " " 3 15
" ½ " " 3 10
" 5/8 " " 2 80
" ¾ " " 2 75
Trace, per doz. pairs 3 60 5 90
German coil, per 100 ft. 1 65 2 70
Jack chain, iron, single, per doz. yards 0 13 0 50
Jack chain, double, per doz. yards 0 15
Jack chain, brass, single, per doz. yards 20 10

Copper.

Ingot. 0 12½ 0 13
English B. S., ton lots 0 12½ 0 13
Lake Superior 0 20 0 22
Bolt or Bar. 0 20 0 22
Cut lengths, round, ½ to ¾ in. round and square 0 19½ 0 20
NOTE.—Complete, lengths about 15 feet

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60 0 15 0 16
Untinned, 14 oz., and light, 16 oz., irregular sizes. 0 15 0 16½
NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Planished and tinned, 14x48 and 14x60 0 25 0 27
4x6 ft. 25 to 30 lbs. ea., per lb. 0 17 0 19
" 35 to 45 " 0 15½ 0 16½
" 50-lb. and above, " 0 15 0 16

Boiler and T. K. Pitts. 0 21
Plain Tinned, per lb 0 21
Spun, per lb 0 25

Wire.

Pure, in coils—
From 1 to 20 gauge, 12½ p. c. off list.
From 20 gauge up, 12½ p. c. off list

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 30 p. c. off list.
Sheet, hard-rolled, 2x4 18 0 20
Tubing, base, per lb 0 20 0 22

Zinc Spelter.

Foreign, per lb 0 05 0 05½
Domestic 0 03½

Zinc Sheet.

5 cwt. casks 0 05½
Part casks 0 06

Lead.

Imported Pig, per lb 4 to 4½
Domestic, per lb 0 03½
Bar, 1 lb. 0 05
Sheets, 2½ lbs. sq. ft., by roll. 0 05½ 0 06
Sheets, 3 to 6 lbs., per sq. ft., by roll. 0 05 0 05½

NOTE.—Cut sheets ½ cent per lb. extra. Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 27½ per cent. discount.

NOTE.—Cut lengths, net price, waste pipe. in 8-ft. lengths, lists at 7½ cents.

Solder.

Bar half-and-half 0 12 0 12½
Standard 0 11½ 0 12
Wire 0 12

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb 0 10½ 0 11
Other makes, per lb 0 08 0 08½

White Lead.

Pure, Assoc. guarantee, ground in oil, 25 lb. irons 5 75
No. 1 do 5 37½
No. 2 do 5 00
No. 3 do 4 62½
No. 4 do 4 25
Munro's Select Flake White 6 00
Elephant and Decorators' Pure 5 75
Brandram's B. B. Genuine 7 75
James genuine, " No. 1 7 00
" No. 1 6 95
" No. 1 6 45

White Zinc Paint.

Elephant Snow White 0 07
Pure White Zinc 0 07
No. 1 0 06½
No. 2 0 05½

Dry White Lead.

Pure, casks 0 04½
Pure, kegs 0 04½
No. 1, casks 0 04½
No. 1, kegs 0 04½

Prepared Paints.

(In ½, 1 and 1 gallon tins.)
Pure, per gallon 1 00
Second qualities, per gallon 0 90
Barn (in bbls.) 0 70
The Sherwin-Williams Paints 1 20
Canada Paint Co's Pure 1 00 1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)
Venetian Red, per lb 0 07
Chrome Yellow 0 11
Golden Ochre 0 06
French 0 05
Marine Black 0 09
Green 0 09
Chrome 0 08
French Imperial Green 0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt 1 35 1 40
Yellow Ochre (J. F. L. S.), bbls. per cwt 2 75
Yellow Ochre (Royal), per cwt 1 10 1 15
Brussels Ochre 2 00
Venetian Red (best), per cwt. 1 80 1 90
English Oxides, per cwt. 3 00 3 25
American Oxides, per cwt. 1 75 1 90

Canadian Oxides, per cwt. 1 75 1 90
Burnt Sienna, pure, per lb. 0 10
" Umber, 0 10
" do. 0 09
Drop Black, pure 0 09
Chrome Yellows, pure 0 18
Chrome Greens, pure, per lb. 0 12
Golden Ochre 0 03½

Ultra marine Blue in 28-lb. boxes, per lb. 0 08 0 24
Fire Proof Mineral, per 100 lb. 1 00
Genuine Eng. Litharge, per lb. 0 07
Mortar Color, per 100 lb. 1 25
James Gen. Red Lead, 100 lb. 0 04½
Pure Indian Red, No. 45, lb. 0 08
Whiting, per 100 lb. 0 50

Pure, in bbls. 0 16½
250 lb. casks 16½
50 lb. drums 17
1 lb. packages 18
½ lb. " 19½
¼ lb. " 21½
1-lb. tins 0 18½

Sulphate of Copper.
Casks, for spraying, per lb. 0 04½
100-lb. cases, do. per lb. 0 04½

Putty.
Bladders in bbls. 1 80
Bladders in 100 or 200 lb. kegs or bxs 1 95
Bulk in bbls., per 100 1 65
Bulk in less quantities 1 80
25-lb. tins, 4 in case 2 05
12½-lb. tins, 8 in case 2 30

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph.

Varnishes.
(In bbls.) per gal
Carriage, No. 1 1 50
Extra do. 2 50
Body Varnish 4 50
Furniture Varnish 0 65
Extra do. 0 90
Demar Varnish 1 60
Hard Oil Finish 1 40
Orange Shellac Varnish 2 00
White Shellac 2 20
Rubbing Varnish 2 50
Polishing Varnish 2 50

Linseed Oil.
Raw, per gal. net 0 48
Boiled, per gal. net 0 51
Outside points 1c. more than above figures

Turpentine.
1 to 4 barrels, net 0 45
Outside points 1c. more

Castor Oil.
In cases, per lb 0 10½
Small lot 0 11½

Cod Oil, Etc
Cod Oil, per gal. 0 50 0 55
Pure Olive 1 20
" Neatsfoot 90

Glue.
(In bbls.)
Common 3 08½ 0 09
French Medal 0 12 0 12½
Cabinet, sheet 0 11 0 12
White, extra 0 16 0 18
Gelatine 0 22 0 30
Coopers 0 19 0 20
Al clear 0 09
Liquid Glue—F. LePage's, discount 20 to 25 per cent off list; Munn's, discount 25 to 30 per cent. off list.

Ammunition.
Cartridges.
R. B. Caps, Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p. c. Amer.

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.
 Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
 Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
 Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.

Shot.
 Canadian, common, 7½ per cent.
 Brass Shot Shells, 55 and 10 per cent.
 Primers, Dom., 30 per cent.
 Wads.

Best thick white felt wadding, in ½-lb bags, 1 00
 Best thick brown or grey felt wads, in ½ lb. bags, 0 70
 Best thick white card wads, in boxes of 500 each, 12 and smaller gauges 0 99
 Best thick white card wads, in boxes of 500 each, 10 gauge 0 35
 Best thick white card wads, in boxes of 500 each, 8 gauge 0 55
 Thin card wads, in boxes of 1,000 each, 12 and smaller gauges, 0 20
 Thin card wads, in boxes of 1,000 each, 10 gauge 0 25
 Thin card wads in boxes of 1,000 each 8 gauge 0 55
 Chemically prepared black edge grey cloth wads, in boxes of 250 each— Per M.
 11 and smaller gauge 0 60
 9 and 10 gauges 0 70
 7 and 8 gauges 0 90
 5 and 6 gauges 1 10
 Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
 11 and smaller gauge 1 15
 9 and 10 gauges 1 40
 7 and 8 gauges 1 65
 5 and 6 gauges 1 90

Anvils.
 Per lb. 0 10 0 12½
 Anvil and Vice combined, each, 4 50
 Wilkinson & Co.'s Anvils, lb. 09 0 09½
 Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
 Gilmour's, discount 65 p.c. off revised list.
 Hollow Stearn's, per dozen 13 00 20 00
 Adjustable Stearn's, each 4 50 6 50
 Post-hole, Vaughan's, each 80 90
 Excelsior, Jennings', discount 50 per cent.

Awls.
 Sewing, per gross 0 65 1 59
 Pegging, " 0 85 1 25
 Brad, " 0 85 1 80
 " handled, per gross 3 60 30
 Saddler's, per gross 0 45 1 60

Awl Hafts.
 Patent Peg, per gross, 7 25 8 00
 " Sewing, per gross, 7 25 8 00

Awl and Tool Sets.
 Millar's Falls, per doz. 2 80 3 30

AXES.
 Splitting Axes, 5 25 5 50
 Chopping Axes—
 Single List, per doz. 6 00 12 00
 Double List, " 11 00 18 00
 Bench Axes, 40 and 10 p.c.

Axle Grease.
 Per gross 6 00 13 00

Bath Tubs.
 Zinc, discount, 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list
 Boxing extra

Babbitt Metal.
 Magnolia Anti-Friction Metal, per lb. 25
 No Name Metal, " 15
 Mystic Metal, " 10
 F. O. B. New York or Chicago.

Bells.
 Hand.
 Brass, 60 per cent.
 Nickel, 55 per cent.

Door.
 Gongs Sargent's, 5 50 8 00
 " Peterboro', discount 50 per cent.

Cow.
 American make, discount 66½ per cent.
 Canadian, discount 45 and 50 per cent.

Farm.
 American, each 1 25 3 00
 House, 0 35 0 40

Bellows.
 Hand, per doz. 3 35 4 75
 Moulders, per doz. 7 50 10 00
 Blacksmiths', discount 60 per cent.

Belting.
 Extra, 45 per cent.
 Standard, 45 and 10 per cent.
 Agricultural, 60 and 10 p.c.

Bench Staps.
 Per doz 5 00 6 00

Bits.
 Auger.
 Gilmour's, discount 65 and 5 per cent.
 Excelsior, discount 60 per cent.
 Rockford Common, 70 to 70 and 10 per cent.
 " Perfection, 50 and 10 per cent.
 Jennings' Gen., net list to 5 p. c. discount.

Car.
 Gilmour's, 47½ to 50 per cent.
 Expansive.
 Clark's 40 per cent.
 Excelsior, 10 per cent.

Gimlet.
 Clark's, per doz 0 65 0 90
 Diamond, Shell, per doz. 1 00 1 50
 Nail and Spike per gross 2 25 5 20

Blind Rollers.
 Annex, per doz 1 25 1 75
 Mascott, " 1 35 1 85
 Erminie, " 1 00 0 90

Blind and Bed Staples.
 All sizes, per lb 7¼ 0 12

Bolts.
 Carriage, dis. 60 and 10 to 70 p.c.
 Tire, dis. 70 and 5 per cent.
 Stove dis. 70 per cent.
 Elevator, dis. 35 to 40 per cent
 Machine, dis. 70 p.c.
 Coach Screws, dis. 70 and 10 p.c.
 Plough bolts, 60 p.c

Boring Machines.
 Complete, with augers, each. 5 00 7 50

Braces.
 Barber's " 6 00 7 75
 Barber's Ratchet " 10 00 11 00
 Farmers " 2 00 2 75
 Millar's Falls " 15 50 29 00

Brackets.
 Shelf.
 Japanned Canadian, per doz. 0 50 3 40
 pairs
 Berlin Bronze Canadian " 0 85 3 20

Broilers.
 Light, dis. 65 to 67½ per cent.
 Reversible, dis. 65 to 67½ per cent.
 Vegetable, per doz., dis. 37½ per cent. 6 00
 Henis, No. 8, " 7 00
 Henis, No. 9, " 7 00
 Queen City " 7 50 0 00

Butchers' Cleavers.
 German, per doz. 6 00 11 00
 American, per doz. 12 00 20 00

Butts.
 Brass.
 Wrought Brass, dis., 17½ p.c. revised list.

Cast Iron.
 Loose Pin, dis. 70 per cent.

Wrought Steel.
 Fast Joint, dis. 70, 10 and 5 to 75 p.c.
 Loose Pins, dis. 70, 10 and 5 to 75 p.c.
 Berlin Bronzed, dis. 70, 70 and 5 per cent.
 Gen. Bronzed, per pair 0 40 0 65

Can Openers.
 Acme, per gross 9 00 10 00
 Sardine Scissors, per doz 3 75 4 50

Card.
 Horse, per doz. 0 60 1 00

Carpet Stretchers.
 American, per doz 1 00 1 50
 Bullards, per doz 6 50

Carpet Sweepers.
 Bissell, per doz 22 50
 World, " 21 75
 Daisy, " 24 00
 Star " 18 00
 Crown Jewel, per doz. 29 00
 Grand Rapids, " 24 00 33 00

Cartridges.
 (See Ammunition.)

Castors.
 Bed new list, dis. 55 to 57½ per cent.
 Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
 Nos 31 and 32, per gross. 8 50 9 50

Cement.
 Canadian, Portland, 2 50
 English " 2 85
 Belgium " 2 75
 Canadian hydraulic 1 20
 Figures are for barrel lots.

Chalk.
 Carpenters Colored, per gross 0 45 0 75
 White lump, per cwt 0 60 0 65
 Red, " 0 05 0 06
 Crayon, per gross 0 14 0 18

Chisels.
 Socket, Framing and Firmer.
 American, dis. 75 per cent.
 Canadian, dis. 40 and 5 per cent.
 Tanged firmer, per doz 0 85 4 00

Churns.
 Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.

Clamps.
 Judd's, dis. 20 per cent.
 Stearn's, per doz 3 00 10 00

Clips.
 Axle, dis. 65 per cent.

Closets.
 Washout, plain 3 25
 " embossed 3 50

Coffee Mills.
 Box 3 60 13 00
 Side 3 60 4 00

Enterprise, No. 0 1 35
 " No. 2 70

Compasses, Dividers, Etc.

American, dis. 62½ to 65 per cent
Cradles, Grain.

Canadian, dis. 20 per cent.
Dies.

Hart Mfg. Co. (pipe es), (Amer. list), dis. 40 per cent.
 Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
 Torrey's Rod, per doz. (15 p.c. 2 00
 Coil, per doz 0 88 1 60
 English per doz. 2 00 4 00

Draw Knives.
 American, dis. 70 and 10 per cent.
 Canadian, dis. 25, 50 and 10 per cent.

Drills.
 Hand and Breast
 Millar Falls, per doz. 16 00 51 50
 P. S. & W., dis. 40 per cent.

DRILL BIT.
 orse, dis. 37½ to 40 per cent.
 Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
 Stovepipe.
 Per doz 85 1 70

FAWCETS.
 Cork Lined, per doz. 0 30 0 35
 Wine, per doz. 1 30 3 25
 Star, " 2 80 3 90
 Fenn's Corkstops, No. 2, per dozen 1 70
 Petroleum, per doz. 4 50 6 50

FILES AND RASPS.
 Globe File Mfg. Co.'s dis., files and rasps, 60 and 10 to 70 per cent.
 Toronto File Co.'s dis., files and rasps, 60 and 10 to 70 per cent.

Black Diamond, 50 and 10 to 60 per cent.
 Keasey & Foote, 60 and 10 per cent. to 60, 10, 10.
 Nicholson File Co., 50 and 10 to 60 per cent.
 Heller's Horse Rasps, 50 to 50 and 5 per cent.
 Jowitt's, English list, 25 to 27½ per cent.
 American, 60 to 60 and 5 per cent.
 Great Western, 60 and 10 per cent.
 Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.

FLUTING MACHINES.
 Each 0 60 2 00

FORKS.
 Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS.
 Ice Cream.

Gem from \$1.25 to \$7 net.
 White Mountain, 1 to 25 qt. 1 35 13 50
 Arctic, dis. 50 p.c.

FRUIT PRESSES.
 Henis', per doz. 3 25 3 50
 Shepard's Queen City, dis. 15 per cent.

FRY PANS.
 Acme, dis. 65 to 67½ per cent.

GAUGES.
 Marking, Mortise, Etc.
 Stanley's, dis. 50 to 55 per cent.

Wire Gauges.
 Winn's, Nos. 26 to 33, each. 1 65 2 40

GLASS.
 Window.
 Box Price.

Star. Double Diamond.
 Size Per Per Per
 United 50 ft. 100 ft. 100 ft.
 Inches.

Under 25 1 60 3 00 4 50
 26 to 40 1 75 3 30 4 85
 41 to 50 3 70 5 50
 51 to 60 4 00 6 25
 61 to 70 4 30 7 30
 71 to 80 4 70 7 85
 81 to 85 5 25 8 85
 86 to 90 10 30
 91 to 95 11 70
 96 to 100 13 75
 101 to 105 15 70
 106 to 110

GLUE POTS.
 Tinned, each 0 30
 Enamelled each. 0 55

GRINDSTONE FIXTURES.
 Per doz. 3 60 4 00

HAMMERS.
 Nail
 Maydole's, dis. 5 to 10 per cent. Can. dis. 25 to 27½ per cent.

Tack.
 Magnetic per doz. 1 10 1 20

Sledge.
 Canadian, per lb 0 07½ 0 08½

Ball Pean.
 English and Can., per lb. 0 22 0 25

HANDLES.
 Axe, per doz., net, 1 50 2 60
 Store door, per doz 1 00 1 70
 Chest, per doz. pairs. 0 40 2 50

Chisel.

Firmer, per gross 3 00 4 50
 Socket Firmer, per gross 3 25 8 00
 Socket Framing, per gross. 3 75 5 00

Fork.
 C. & B., dis. 45 per cent. rev. list.

Hoe.
 C. & B., dis. 45 per cent. rev. lis

Saw.
 American, per doz. 1 00 1 25

Plane.
 American, per gross. 3 15 3 75

Hammer and Hatchet.
 Canadian, 45 per cent.

Cross-Cut Saw.
 Canadian, per pair 0 13½ 0 20

HANGERS.
 Door, 4 and 5 inch, per pair. 0 40 0 50
 Lanes, 62½ per cent.

HATCHETS.
 Canadian, dis. 40 to 42½ per cent

HINGES.
 Blind, Parker's, dis. 60 and 10 to 65 per cen
 " Shepard's Noiseless, dis. 60 per cent
 " Buffalo, dis. 60 to 70 p. c.
 Light T and strap, 70 and 10 p.c.
 Heavy, per lb 0 03½ 0 04½

Screw hook and hinge—
 6 to 12 in., per 100 lbs. 3 15
 14 in. up, per 100 lbs. 2 35
 Per doz. set.

Screw, Eureka. 1 13 1 80
 Gate, Clark's 1 50 2 20
 " Shepard's, dis. 50 to 60 per cent.

Per gro. pair
 Spring 9 50
 " Shepard's Samson. 1 20

HOES.
 Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
 Planter, per doz. 4 00 4

HOOKS.
 Cast Iron.

Bird Cage, per doz 0 50 1 10
 Clothes Line, per doz 0 27 0 63
 Harness, per doz 0 72 0 88
 Hat and Coat, per gross. 1 00 3 00
 Chandelier, per doz 0 50 1 00

Wrought Iron.
 Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
 Hat and coat, dis. 60 to 60 and 10 p.c.
 Belt, per 1,000 0 60 0 70
 Screw, bright, Eng., dis. 60 per cent

HORSE NAILS.
 "P. B.", dis. 50 p.c.
 "C" brand, 50 p.c. dis. } Oval head.
 "M" brand 50 p.c.
 Acadian, 50 and 20 p.c., countersunk head.

HORSE SHOES.
 F.O.B. F.O.B.
 Iron Shoes. Montreal Toronto*

Light, medium, and heavy. 3 15 3 25
 Snow shoes 3 40 3 50

Steel Shoes.
 Light, all sizes. 3 35 3 45
 Extra light 4 50 4 60
 Toe weight (steel) 5 50 5 60

*Also Hamilton, London, Guelph, St. John, Halifax.

ICE PICKS.
 Star, per doz. 3 00 3 25

KETTLES.
 Brass spun, 7½ p.c. dis. off new list.
 Copper, per lb. 0 30
 American, 60 and 10 to 65 and 5 p.c.

KEYS.
 Lock, Can., dis. 50 p.c.
 Cabinet, trunk, and padlock,
 Am. per gross. 1 60

KNOBES.
 Door, japanned and N.P., per doz. 0 90
 Bronze, Berlin, per doz. 2 75 3 25
 Bronze Genuine, " 6 00 9 00
 Shutter, porcelain, F. & L. screw per gross. 1 30 4 00

KNIVES.
 Clauss, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.
 Christie, bread, cake, and paring knives, \$7.00 doz. sets, with 10 p.c. off.

Hay knives, spear point, L or T handle, 60 and 5 per cent.
 Lightning, per doz. 6 50 8 40
 Heath's, \$7.75 net.

LADLES.
 Melting, per doz. 1 70 4 50

LEMON SQUEEZERS.
 Porcelain lined, per doz. 2 20 5 60
 Galvanized, " 1 87 3 85
 King, wood, " 2 75 2 90

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays to any address on receipt of

10 cents

HARDWARE AND METAL, Toronto

THE PRESS CLIPPING BUREAU

Reads every newspaper in Canada and clips therefrom all articles of a business or personal nature of interest to subscribers in this department.

Politicians can obtain from it everything the papers say about themselves on any subject in which they are interested. Business men learn of new openings for trade, pointers to sell goods, addresses of people likely to become buyers, tenders wanted, stocks for sale or wanted, reports of new industries or stores, etc.

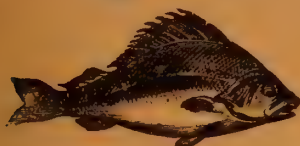
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We have also lists of firms in every branch of trade in the Dominion, the professions, club members, society, etc., and we are prepared to address and mail circulars or letters to these at any time.

THE PRESS CLIPPING BUREAU . . .

Board of Trade, Montreal

Fishing Tackle.



ALLCOCK'S STAG BRAND

goods are the best. When you buy from us you buy from the largest makers and oldest house in England. Established 1800.

TRADE MARK
The Allcock, Laight & Westwood Co., Limited

73 Bay Street, TORONTO, and
REDDITCH, ENGLAND.

Sole wholesale selling agents for THE DOMINION
HAMMOCK MANUFACTURING CO., Paris, Ont.

CHARLES F. CLARK,
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ESTABLISHED 1849.

THE BRADSTREET MERCANTILE AGENCY

THE BRADSTREET COMPANY,

Executive Offices

Proprietors.

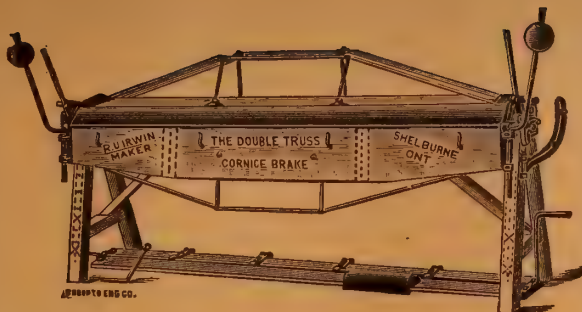
NOS. 346-348 BROADWAY NEW YORK

Offices in the principal cities of the United States, Canada, the European Continent, Australia, and in London, England.

The Bradstreet Company is the oldest and, financially, the strongest organization of its kind—working in one interest and under one management—with wider ramifications, with more capital invested in the business, and it expends more money every year for the collection and dissemination of information than any similar institution in the world.

TORONTO OFFICE.

McKinnon Building, Cor. Jordan and Melinda Sts.
THOS. C. IRVING, Superintendent



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, \$50

Very handy bender attachment, \$10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice
Brake Co. SHELBURNE, ONT.

Brushes for Plumbers and Steamfitters

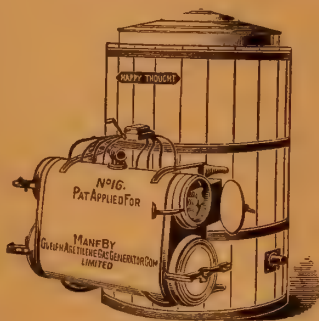
We keep on hand a special line of *Radiator Brushes*, *Furnace Brushes*, *Water-Closet Brushes*, etc.

Our All-Steel *Champion Furnace Brush* is the best value in the market.

MEAKINS & CO.

313 St. Paul Street

MONTREAL



ACETYLENE GAS

Perfect Light

Perfect Safety

Our Machine is Automatic. Safe.

Sold only through the local Hardware and Plumbing Trades, etc.

No Peddling.

Write Us.

THE GUELPH ACETYLENE GAS CO.

GUELPH, ONT.

Limited

The Smith & Egge Manfg. Co.

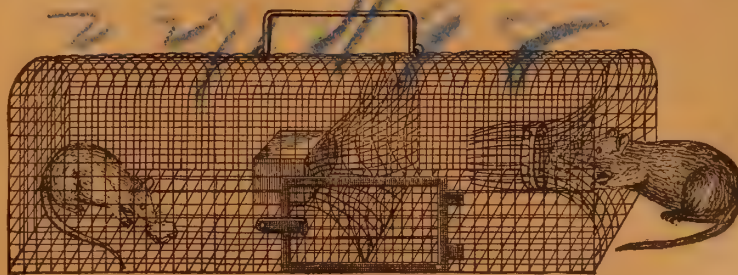
Manufacturers of

BRIDGEPORT, CONN.

"YANKEE" RAT AND MOUSE TRAPS

The most Ingenious and Effective Traps ever made. Surest, Safest, Cleanest. . . .

These Traps are well and strongly made, and thoroughly galvanized. All Traps carefully packed and shipped in strong crates.



THE D. MOORE CO., Limited, Hamilton, Agents for Canada.

BICYCLE SUNDRIES AND PADLOCKS

"GIANT" METAL SASH CHAIN,

"Red Metal" and Steel

SASH PULLEYS,

Iron and Bronze.

PLUMBERS' CHAINS.

PLUMBERS' TANK PULLS.

PIPE STRAPS, 8 HOOKS

AND SPLIT LINKS.

Sole Manufacturers of the

"EUREKA" PATENT SHEAR.

A useful and cheap tool for cutting rods and strap metal. SEND FOR ILLUSTRATED CATALOGUE.

Est. 1883

Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve

Medals



Awarded
By **JURORS** at
International Expositions
Special Prize

Gold Medal at Atlanta, 1895



HAVE YOU TRIED IT ?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE CUTTA PERCHA AND RUBBER MFG. CO.
OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

WHEN YOU REQUIRE

Paints, Oils, Varnishes, Enamels,

.... or, in fact, anything in this line

WRITE. WIRE or 'PHONE

The JAMES ROBERTSON CO., Limited 263-285 King Street West, Toronto

Telephones 819, 1511 and 1292.

THE PAINT MAKERS

" $\frac{1}{2}$ Century's Test"
Langwell's
Metallic Alloys--Montreal.

CANADIAN

HARDWARE

AND METAL
MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X

MONTREAL AND TORONTO, AUGUST 27, 1898

No. 35



Magnolia Metal

Best Anti-Friction Metal for
all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamp-
ed on the under side of
each bar.



MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Traders' Building.
MONTREAL—Caverhill, Learmont & Co.
General Dominion Agents.

Owners and Sole Manufacturers,

266 and 267 New York
West St.,

A Good Servant.

If you engage a man, you want one
that you can rely upon all the time.



CANADA

"Queen's Head" Iron is a servant, one who has been
tried for many years, and whom you can depend upon to
do his work and do it well every time.

Why take chances with strangers or with less trust-
worthy servants that you know?

JOHN LYSAGHT, Limited

BRISTOL and MONTREAL

THE TRIUMPH OF THE AGE

"Safford"

Standard Screwed Nipple

Radiators

For Hot Water
and Steam

HEATING

Largest stock in
Canada.

Prompt shipments.

Make our office your headquarters during the Exhibition

THE . . .

Dominion Radiator Company

Formerly
The Toronto Radiator Company.

LIMITED

TORONTO, ONTARIO



RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President.

A. BURDETT LEE, V. P. and Treas.

Importers of . . .

Bar Iron
Steel
Boiler Plate
Shelf and Heavy
Hardware



MANTELS
GRATES
TILES
Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets

...TORONTO

"Solidity"

In speaking of DUPLEX TUBS, this word is particularly applicable, as it is the "solidity" of the Tub that is a great point of merit. The steel, copper and tin are all practically fused together, making one solid sheet. It is therefore almost impossible to dent or bruise one of Booth's DUPLEX Copper-lined Bath Tubs.

"DUPLEX"



BOOTH'S PATENT

Sole Manufacturers in Canada:

The Toronto Steel-Clad Bath and Metal Co., Limited

TORONTO

"DAVIDSON'S

STANDARD
PLEATED
ONE-PIECE"

*No raised seams
to catch the dust.*



See the long throat.

Elbows

Made of high-grade,
heavy, smooth steel.

5, 6, 7 and 8 inch.

They hold the trade

BECAUSE---

They have flat pleats that
do not catch the dust.
They are easily cleaned, in-
side and out.

They are not rivetted, mak-
ing them adjustable to
all pipes.

THESE ELBOWS can be polished.

The Thos. Davidson Mfg. Co.

LIMITED

MONTREAL, QUE.

ESTABLISHED
1778.



CORPORATE
MARK.

JOHN CROSSLAND

MANUFACTURER OF

SHEFFIELD.

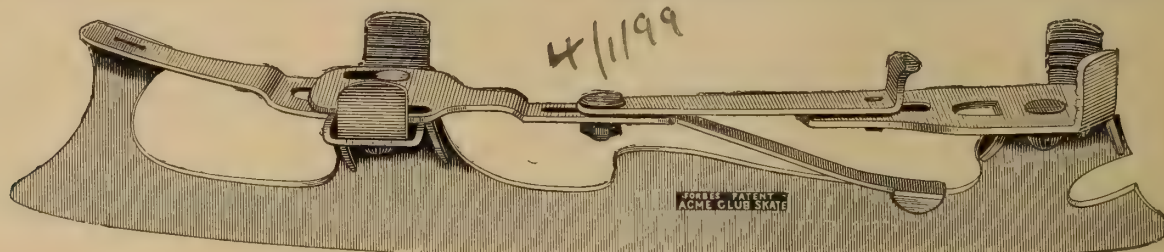
Pocket, Table and Butcher Knives.

Spear, Bowie, Daggers, Matchets and Hunting Knives.

These goods have a world-wide reputation for good quality and finish. Any infringers of our corporate mark will be promptly prosecuted.

APPLEBY & CO., - 501 Board of Trade, MONTREAL,

The sole agents for Canada, keep a full range of samples on view.



THE GENUINE ACME.

We are now prepared to fill orders promptly. We make the highest grade of skates, and guarantee them. We solicit your inquiries. Goods dated 1st Nov.

THE STARR MANUFACTURING CO., Limited

T. L. PATON, Resident Agent, Montreal, Que.

DARTMOUTH, N. S.

The fibre is long
and strong

BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE

Eddy's Wrapping Papers

The E. B. EDDY CO., Limited

HULL	ST. JOHN	VANCOUVER
MONTREAL	HALIFAX	VICTORIA
TORONTO	HAMILTON	ST. JOHN, Nfld.
LONDON	WINNIPEG	KINGSTON
	QUEBEC	

The paper stands
wear and tear

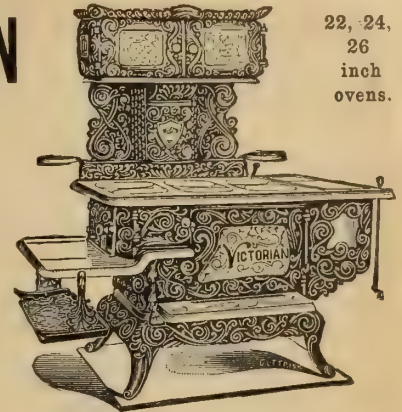


ABERDEEN, for Coal and Wood.

ABERDEEN AND VICTORIAN RANGES

These two modern, beautiful ranges give a complete line of goods for coal and for wood, and were constructed with special reference to the needs of Canadian trade. They have roomy fire boxes, capacious ventilated ovens, large fire doors, spacious hearths.

The COPP BROS. CO., Limited
Hamilton, Ont.



VICTORIAN, for Wood.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinisch's Sons Co. vs. Hermann Boker & Co:

"The complainant (R. Heinisch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinisch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinisch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorn & Co., St. John, N.B.; H. S. Howland, Sons & Co., Toronto, and others,

Established 1825.

COLDBROOK IRON AND STEEL CO.
Limited

Manufacturers of
all kinds of

BAR IRON.

• • • • •

GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited
ST. JOHN, N. B.

Canada Plates

Large Stock.

Orders solicited from stock or
for importation.

M. & L. Samuel, Benjamin & Co.

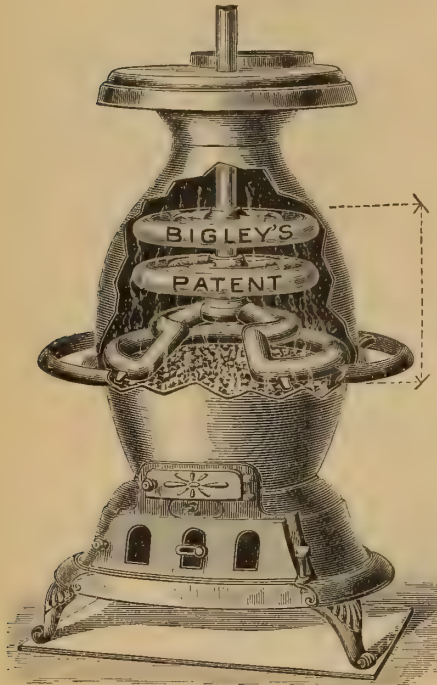
ENGLISH HOUSE:

Samuel, Sons & Benjamin

164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

"BIGLEY'S" PATENT WATER HEATING COIL.



Made in
8 Sizes.

They are so constructed that one or more sections can be used. They are constructed principally for combination heating, in any kind of Hot Air Furnace, Globe Heaters or Stove, such as represented in cut. They are put together with screwed nipples and tested to 150 lb. pressure. The first section is cut away in front, so as to admit the coal. This heater adds $\frac{2}{3}$ more heating capacity to a stove or furnace. It can be built in brick for greenhouse heating.

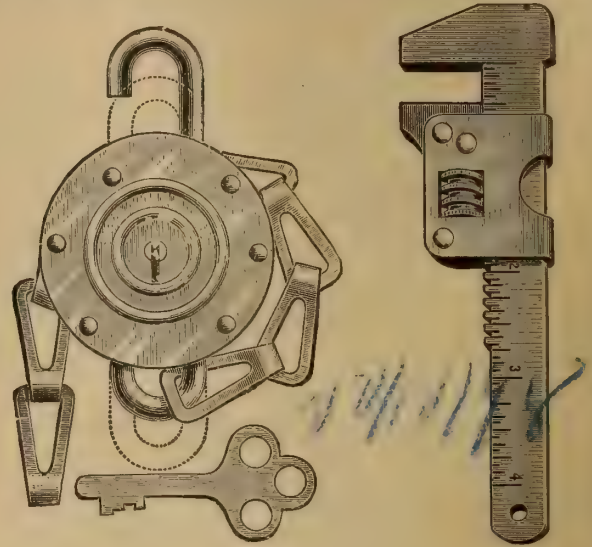
Send for Catalogue

Manufactured by

R. BIGLEY 96 and 98 Queen E. **TORONTO**

Bicycle Sundries

Toe Clips, Coasters, Wrenches, and BICYCLE PAD LOCKS



Also . . .

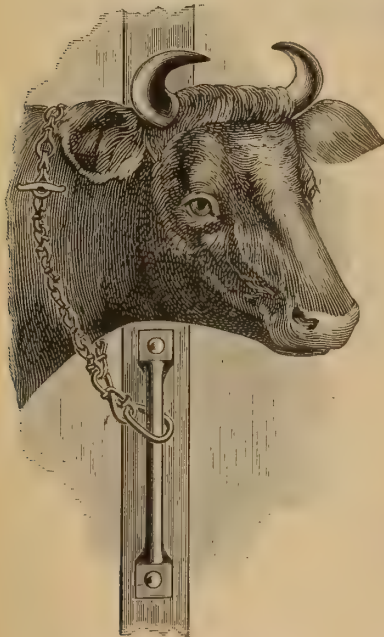
"Giant" Metal Sash Chain, Pulleys, "Red Metal" and Steel Chain---Pad Locks, and Rat Traps.

Manufactured by

THE SMITH & EGGE MFG. CO

Send for Sundry Catalogue.

Bridgeport, Conn., U.S.A.



NIAGARA PATTERN

Or "SHORT"

COW TIE.

Made in either

CUT LINK

.. OR ..

WIRE LINK
CHAIN.



Showing also our new

**NIAGARA
STALL
FIXTURE.**

The cheapest, safest and most convenient stall fixture ever devised for either cows or horses. Allows great freedom to the head without a long chain, which would entangle the animal's foot. Also American Open and Closed Ring Cow Ties.

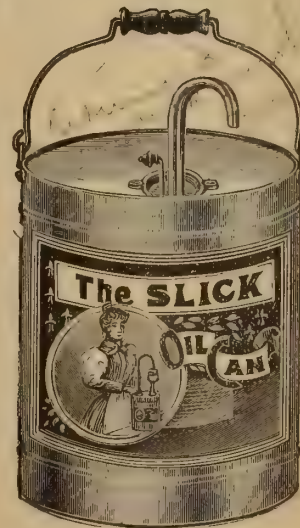
ONEIDA COMMUNITY, Limited
NIAGARA FALLS, ONT.

KEMP'S SLICK OIL CAN

IS

A first-class leader for the fall trade.

A perfect can at a low price.



No Oil Spilled
No Soiled Clothes
No Dirty Lamp

It is impossible to overflow lamp. The pump is attached in the simplest and strongest manner possible.

Will not get out of order with ordinary use.

KEMP MANUFACTURING CO.
TORONTO, CANADA.



HARDWARE AND METAL

Vol. X.

MONTREAL AND TORONTO, AUGUST 27, 1898

No. 35

President,
JOHN BAYNE MacLEAN, Montreal.
Treasurer,
HUGH C. MacLEAN Toronto.

THE MacLEAN PUBLISHING CO Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P. E. Island and Newfoundland.

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Telephone 1255.
TORONTO - - - - 26 Front Street West,
Telephone 2148.
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H. S. Ashburner.
NEW YORK - - - - 14 Irving Place,
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Subscription, Canada, \$2.00. Great Britain, \$3.00.

Published every Saturday.

Cable Address { Adscript, London
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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

WHAT ABOUT RECIPROCITY?

WE assume that the Canadian Commissioners at Quebec, before discussing reciprocity with the United States representatives, have thoroughly posted themselves on the subject. They must possess not merely a general, but a special knowledge, of all the large branches of trade that may come under a reciprocity treaty—coal, lumber, fish, salt, etc. This special knowledge, of course, would be supplied to our Commissioners by specialists.

Now, during the only wide treaty on trade which ever existed between Canada and the United States (1854-1866) the Republic sold us \$20,000,000 worth more than

it purchased from us. Besides that, a great deal of freight was attracted away from the St. Lawrence river and other Canadian routes to the United States routes and ocean ports, to say nothing of the valuable fishing rights we gave them. Their mackerel fleet alone took \$4,500,000 worth of fish in some years. Finally, a considerable business was secured by New York and Boston commercial houses acting as middlemen for Canadian products. On the whole, therefore, the Elgin Treaty of 1854 turned out one of the best speculations the United States ever went into.

Those who have read the memorandum of Sir Edward Thornton and Mr. George Brown (dated April 27, 1874,) know that the benefits derived by the United States from the old treaty were equal to, if not greater than, those enjoyed by Canada. There is no manner of doubt about that. The treaty was not terminated by the Washington authorities because it failed commercially. Hostile national feeling was the cause, and the debates in Congress during 1866 are conclusive evidence on these points. Besides, the Boston, New York and other chambers of commerce petitioned for a renewal of the arrangement.

Manifestly, therefore, the Canadian Commissioners should have ready and present to the conference a paper bringing Mr. George Brown's figures down to date. There is a good thing in reciprocity for the United States. Canada can show that even under present conditions the United States has every reason to cultivate Canadian trade. Look at the record, in round numbers, of the past five fiscal years:

CANADA BOUGHT FROM THE UNITED STATES.

1894	.....\$53,000,000
1895	.....54,000,000
1896	.....58,000,000
1897	.....61,000,000
1898	.....86,000,000

Total for 5 years \$312,000,000

CANADA SOLD TO THE UNITED STATES.

1894	.....\$35,000,000
1895	.....41,000,000
1896	.....44,000,000
1897	.....49,000,000
1898	.....41,000,000

Total for 5 years....\$210,000,000

During five years, then, we have purchased from them about \$100,000,000 more than we have sold them. The United States may say they are quite satisfied with present arrangements. If so, the Canadian Commissioners should be chary in offering large concessions to secure a treaty.

We favor a treaty, but we are against paying too much for it.

FIRMNESS OF WINDOW GLASS.

Importers are figuring on the possibility of an advance in the price of window glass in the near future.

Since prices were last advanced, in July, there has been a steady rise in primary markets, as we have noted from time to time, and of late, any fresh contracts for importation meant a materially increased cost laid down on the wharf in Montreal.

This week, Belgian advices state that there has been another advance, the discounts having been again reduced from 3 to 4 per cent.

As stocks are not heavy in Canada, another rise in the selling price of window glass is by many considered not improbable.

IMPORTS OF IRON MATERIAL.

DIFFICULTY and delay are still being experienced regarding deliveries from Great Britain of galvanized iron, terne and tin and Canada plate.

The coal strike, as already mentioned, is the source of all the delay, and, though supplies are coming forward, they are doing so slowly.

Perhaps the jobbing houses in the city of Quebec are experiencing more inconvenience than any other importers. This is due to the fact that the ocean steamer service to that port has been irregular this summer, practically only one or two vessels out of every ten stopping at the ancient capital on their way up the river. This, of course, has aggravated matters down there, and, in some cases, stocks have shrunk to an inconveniently low level.

In Montreal and the west, while, as we have previously noted, the delay in deliveries has caused inconvenience, it has not been so great as in Quebec.

At present, stocks in Montreal, except in one or two sizes, are pretty well assorted, though not very extensive, in galvanized iron, ternes, and Canada and tin plates. In this connection some large import orders have been placed lately, and, if they continue at the same rate, the volume of fall importations, in the lines named, will be much heavier this year than last.

UNITED STATES COAL GETTING THE BENEFIT.

Efforts to bring about a general settlement of the coal strike in Wales have so far proved abortive. In the meantime, not only are the manufacturing industries in Great Britain being greatly inconvenienced, and naval manœuvres withheld, but the trade is being turned, temporarily, at any rate, into other channels.

Between July 9 and August 21 no less than fourteen British steamers and one sailing vessel cleared from Newport News, United States, with 59,000 tons of coal destined for various parts of the British Empire. One cargo went to London, England, which, if not taking coals to Newcastle is next door to it.

There are, however, signs that the combatants are beginning to weaken, for a Swansea, Wales, paper, just to hand, reports that the masters and men at a couple of the

mines have agreed upon a compromise whereby an advance of five per cent. in wages is secured.

It has not yet been determined whether the recent war between the United States and Spain killed the Silver Bug. It is to be hoped for Uncle Sam's sake that it did.

GO AHEAD, MR. ROBERTSON.

ONE OF THE most extraordinary evidences of extreme partizanship has been displayed by some of the Liberal papers recently. Prof. Robertson, the Dominion Dairy Commissioner, with Hon. Mr. Fisher, Minister of Agriculture, had been traveling in England, when opportunity afforded them, addressing meetings, and they lost no opportunity of having themselves interviewed by the leading papers. All this must do Canada a very great deal of good.

In the course of his remarks, Prof. Robertson said that if Great Britain would give Canadian goods a preference, by collecting part of her revenue from these same goods supplied by other countries, it would be a great help to Canada, and Canadians, in return, would buy a greater quantity of British goods.

It happens that Sir Wilfrid Laurier, when Mr. Chamberlain suggested the consideration of the whole question of Imperial trade by means of a royal commission, very unwisely, as some think, did not respond to the suggestion. Mr. Chamberlain dropped it.

Liberals who are not bound by strong party lines agree that Sir Wilfrid might have, at least, gone in for a commission of enquiry. It is known that several members of his Cabinet hold the same opinion.

What would be thought of any sane man who is offered a preference and would not accept it?

It is to be hoped that Professor Robertson will continue to advocate this policy. It evidently meets with Hon. Mr. Fisher's approval, for he has not called Professor Robertson down, and Mr. Fisher is showing himself to be one of the best men who has filled the Department of Agriculture, and a great improvement on some of the ward politicians placed for political reasons by the late Conservative Government.

THE PRICE OF STOVES.

IT will be remembered that **HARDWARE AND METAL**, the other day, intimated that the price of stoves in the United States would be advanced on September 1, but that the manufacturers were, so far, keeping secret what it would be.

Now, however, notices are being sent out announcing an appreciation of 5 per cent. This is the same as the Canadian manufacturers decided upon four or five weeks ago, but the latter advance went into effect at once.

The higher prices in the United States go into effect September 1, and some 40 or 50 firms have, within the last week or two, sent out notices to that effect. It appears, however, that some of the manufacturers marked their prices up 5 per cent. away back in the spring.

It is the opinion that the advance, both in Canada and the United States, will be inadequate, and that a further appreciation is probable.

It is no use sighing over what might have been. Time spent in sighing only increases the evil wrought by the "might have been" not being realized.

EXHIBITION EXHIBIT ADVERTISING.

At last, the manufacturers who are exhibitors at the large Canadian fall fairs have recognized the absurdity of the "puff" reading notices of their exhibits which appear in the daily and some class papers, for which the advertisers pay from 10 to 30c. per line. Last week, four of the earliest and largest exhibitors at the Toronto Fair made an agreement among themselves not to spend one cent this year in this reading matter advertising. It is said that a number of other advertisers will follow suit.

Reading matter advertising of exhibits was, no doubt, of some value when first forced on the public. It was new, and the reader thought it a genuine editorial notice. The same notice day after day during each fair has disabused his mind, however. To-day the public know that these notices are simply paid advertising. If such is the case, the advertiser is paying too much for this class of advertising, as it is only worth the regular line advertising rates. In some instances it is not worth that much.

ANOTHER STEEL CONSOLIDATION.

ANOTHER consolidation of iron and steel interests in the United States appears to have been practically consummated.

The concerns interested are the Minnesota Iron Co. and the Illinois Steel Co., and the agreement to consolidate was reached at a meeting of representatives of each company held in New York on Friday of last week.

The two companies in question are each in themselves enormous affairs. The Illinois Steel Co., in its statement of June 30, shows surplus cash and accounts, after paying all bills and accounts, of \$2,500,000. In addition, the company had an inventory amounting to \$3,000,000 and quick assets in the shape of investments and other forms amounting to \$9,000,000. The quick assets exceeded liabilities at that time by about \$14,000,000, sufficient to pay off all debenture debts, leaving the permanent investment to represent the capital.

The Illinois Steel Co. was formed in May, 1889, as a consolidation of the Union Steel, Joliet Steel and North Chicago Rolling Mill companies. The company in 1892 voted to increase the stock from \$25,000,000 to \$50,000,000. The company owns nineteen furnace stacks. In 1896 it received over 3,500,000 tons of raw material and shipped upwards of 800,000 tons of finished product.

The Minnesota Iron Co. has, this year, paid two quarterly dividends of 1 1/2 per cent. No dividend was paid in 1897. The company owns about 40,000 acres of land and seven iron mines in Minnesota, and, in addition, \$3,000,000 stock and \$3,500,000 second mortgage bonds of the Duluth and Iron Range Railroad, as well as valuable steamers and barges.

It will thus be seen that the combination in itself will be a big one, indeed; but it is mooted that it will also absorb The Lorain Steel Co., The Johnstown Steel Co. and possibly The Cambria Iron Co.

It is understood that the capital of the consolidation will be the phenomenal one of \$200,000,000.

The consolidated concern will not only possess enormous capital and extensive factories, but will have railways and mines of its own. This will enable it to place its manufactures on the market at a pretty low

figure and to undersell all competitors who are not similarly situated.

About a year ago was witnessed the consolidation of the Carnegie and Rockefeller interests on a similar basis, a few months ago saw the consolidation of the wire and wire nail interests, and now comes the formation of the present affair.

We are evidently in an age of consolidation, and the outcome of it will be watched with a great deal of interest by students of economical and social questions.

AGITATION WILL BE KEPT UP.

The Associated Chambers of Commerce, of Great Britain, has become a most important organization. It is composed of representatives of the boards of trade in the United Kingdom. Their proceedings are now reported as fully in The London Times, and sometimes more so than the proceedings of Parliament.

The Government is beginning to pay special attention to recommendations and requests from this body. At the last half yearly meeting, six out of seven motions adopted referred to legislation or Governmental assistance in the development of foreign and colonial trade.

In Canada, our legislators are too busy with politics and pay little attention to the wishes of business men. It is the desire of many of our readers that an agitation should be kept up until the Government and Parliament consult the wishes of the merchants and manufacturers.

There are a good many things a man gets that he does not need, and there are a good many things he needs that he does not get.

WIRE NAIL SITUATION.

A firmer tone has been imparted to the wire nail market in the United States, on account of the withdrawal of prices by the American Steel & Wire Co., and there has been more buying as a result.

In Canada there is no change in the situation as far as the price is concerned, the manufacturers still selling at figures which preclude, it is claimed, even a moderate profit being made, although the prices ruling in the United States would warrant them demanding much more than they now are.

DROPS FROM THE EDITOR'S PEN.

Dollars when lost may be found, but time, never.

He who has faith in advertising has faith in a good cause.

Thought is the germ from which all great enterprises spring.

Merchants should have faith in themselves as well as in their goods.

The rut which a man gets into often becomes his grave, commercially.

Your ability may be small, but industry will magnify rather than reduce it.

Depreciating your neighbor's wares does not enhance the value of your own.

When you are saving a "quarter" be sure that you are not losing a dollar.

System is a necessary quality in business, but it sometimes leads one into a rut.

Rub shoulders with your fellow business men if you would enlarge your ideas.

If honesty is not a good foundation for business, it is certain dishonesty is not.

Advertising is an art, and those who think otherwise are not likely to make much out of it.

A business that will not stand a little advertising is like unto a dying man, beyond the reach of medicine.

An antiquated business man cannot even become a specimen in a museum, therein is he unlike other things of antiquity.

It does not matter much about the business eyesight of to-morrow as long as the business eyesight of to-day is good.

Business men who do things which boys ought to do are doing things they ought not to do, and leaving undone things they ought to do.

Retail dealers who want cheap guns had better look around at once, as most of the jobbing houses are already short in some lines, owing to shipments to the Northwest and British Columbia.

CANADA'S BIG DISPLAY.

IN the International Hall at the Trans-Mississippi Exposition, Omaha, the largest exhibit is that of the Dominion of Canada. It occupies 5,000 feet of floor space and 6,000 feet of wall space, covered with the best the country can produce. It is an agricultural, mineral, forestry and dairy exhibit combined. The location is first-class, taking in the main entrance to the building. C. H. Myers, commissioner from the Dominion of Canada, is in charge, assisted by W. V. Bennett, the resident Canadian agent, and his daughter, Miss June Bennett. The exhibit is viewed by ninety per cent. of the Exposition visitors, a vast proportion of whom are astonished by the great showing of the country's resources here made. Wheat that grades "No. 1 hard northern," and is produced to the amount of thirty-eight to forty-five bushels per acre all through the Dominion is the principal agricultural product shown.

The lumber exhibit is interesting as well as instructive, both on account of the numerous samples and the character of the exhibits. There are some oak, pine, poplar, birch, hickory, walnut, maple, cedar, and a score of other varieties of the woods of the forest. One of the most interesting is a slab cut from a log of hard pine. It is six feet across, and Mr. Myers vouches for the statement that the tree from which this plank came measured 150 feet to the first limb.

In the centre of the court is the mineral display. Three large cases are filled with rich specimens of gold, silver, copper, lead, zinc, tin, iron and other metals from the gray sulphates to the most beautiful and delicate forms of crystallizations.

The low railroad rates now in force make it possible for many Canadians to visit the Omaha Exposition.

HINTS ON MIXING COLORS.

Attempts have frequently been made to draw up a list of colors, tints and shades, which might be obtained by mixing various pigments in given proportions, says an exchange. No great success has ever met the attempt, for several reasons. In the first place, ideas as to what the names of the various colors mean vary considerably, and, if this be doubted, a test can readily be made by giving two people instructions to mix, say, a "light brown." It will be found that probably no two will be alike, because each has his own ideas as to what a light brown is. Another reason why a list of colors cannot be formulated is that the pigments of which they are composed vary considerably with different manufacturers, some being of considerably greater strength than others, so that the results differ

according to whose make of colors are being used. Added to these reasons, there is an additional one, which is of equal importance, and that is that colors vary in appearance according to the light and according to the juxtaposition of other colors. A color in a brilliantly lighted room looks very different to what it does in one having but a dim light; while a color that is surrounded entirely by white does not look the same as when surrounded by black or any other contrasting color. In compounding or using colors it is always highly important to remember that the strongest or controlling color is usually bound to assert itself, the others having a secondary position. This is as it should be, if we would have the color sought for retain its distinctive character. It is furthermore needful to remember that all colors are divided into three cardinal degrees—light, medium and dark. The relative position of the base color governs the intermediate shades. Regard for such details in color-compounding very often saves the painter from much trouble, and should be borne in mind by those who sell colors.

CANADA'S COMMERCIAL AGENTS.

Following is the correct official list of Canada's commercial agents:

J. S. Larke, Sydney, N.S.W., agent for Australasia.

G. Eustace Burke, Kingston, Jamaica, agent for Jamaica.

Robert Bryson, St. John, Antigua, agent for Antigua, Montserrat and Dominica.

S. L. Horsford, St. Kitts, agent for St. Kitts, Nevis and Virgin Islands.

Edgar Tripp, Port of Spain, Trinidad, agent for Trinidad and Tobago.

C. E. Sontum, Christiana, Norway, agent for Sweden and Denmark.

D. M. Rennie, Buenos Ayres, Argentine Republic, agent for Argentine Republic and Uruguay.

In addition to their other duties, the undermentioned will answer enquiries relative to trade matters, and their services are available in furthering the interests of Canadian traders:

J. G. Colmer, 17 Victoria street, London, S.W. England.

Thomas Moffatt, 16 Church street, Cape Town, South Africa.

G. H. Mitchell, 15 Water street, Liverpool, Eng.

H. M. Murray, 40 St. Enoch square, Glasgow, Scotland.

Harrison Watson, curator Imperial Institute, London, England.

The above appears in a newspaper which claims to be in touch with the Canadian Department of Trade, and is, no doubt, authentic.

We have frequently pointed out the need of sending more business men to Parliament, and fewer professional men. We are a commercial people. We live by trade, whether we are farmers or merchants. The above list shows that our Governments—Liberal and Conservative—fail to grasp the business situation. Our best market is the

United Kingdom. The possible sale of our goods in the other countries mentioned above is infinitesimal, compared with the British consumption. Yet, we engage men and send them to these unimportant centres to develop a demand for Canadian goods, while our Governments neglect to do the same in our most important markets.

ADVERTISING A STORE IN THE SUBURBS.

THE question of advertising a store situated in the outskirts, and catering to a sectional trade, is worth some little thought. It is quite necessary that the merchant shall keep in touch with his trade, therefore he must advertise. Many questions arise as to the best methods to follow.

Papers of general circulation are not entirely worthless, but there is so much circulation which the suburban merchant does not want, and yet must pay for, that this plan is general impracticable.

Many plans have been tried, and among the best of them seem to be the booklet and circular, and the publishing of a small paper of local interest. Besides the many circulars and booklets furnished by manufacturers and jobbers, the dealer should issue some good literature of his own. This should be distributed in his territory by trustworthy carriers, or mailed from a carefully kept list of names.

The paper plan has been tried by several merchants similarly located, and has proven successful. A small paper is issued at regular intervals. This contains news of local interest as well as the merchant's advertising. Many times there are other merchants in the same locality who will bear part of the expense in order to have advertisements displayed therein. This paper is distributed free throughout the section, and will find ready readers if the news is carefully gathered and edited. Many times such a publication can obtain accounts of local interest that never find their way into the papers of general circulation.

Such papers are being successfully published by many merchants who cater to a sectional trade, and even those with a more general patronage often find the plan remunerative—"Suburban" in Iron Age.

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.,
Limited
HAMILTON, ONT.

THE BRAZELESS CYCLE FRAME.

NOW that the mechanically joined cycle frame is creating so much attention, it is interesting to see what expert engineers think of the new departure. Some of the opinions which have recently been given by experts are by no means favorable to the innovation. It appears that most of the brazeless joints that are now being introduced have some form of an expander to secure the parts together. If these expanders do their work in a satisfactory style—that is, if they fasten the members together in a manner which will give for all practical purposes, the same result as the brazed joint—they then must exert no little amount of outward pressure upon the walls of the connecting lugs. This being the case, it is evident that it is important to know if this pressure is great enough to have any detrimental effect on the lugs, and further, if it is found that the continued high pressure effects the lugs to a harmful extent, the choice of materials for the making of these lugs becomes of vital importance.

Are stampings strong enough? Are malleable iron, steel, mits, steel bronze, or aluminum bronze castings, or forgings, any or all of them, fit for the purpose? Is there anything which has the required strength for the connections, without sacrificing the accepted ideas concerning design and weight? These questions will all have to be answered before the brazeless joint can consider itself permanent, and they can only be answered after exhaustive and conclusive tests have been made, and actual trial of the severest sort given the joints and the materials as used in these joints. That expanders do affect the walls inside of which they act has been shown by many, by far too many, cases where seat post-expanders have caused the seat mast-tube to bulge. Of course, in such instances the tubing which was injured was of much less thickness than a connecting-lug wall. But it goes to say that even with an ordinary expander, which would not be strong enough to hold frame-joints together, there is such a pressure caused that a very strong wall is required to resist it. If the brazeless joint is going to require a heavy, clumsy connecting-lug, where do its advantages come in?—Ironmongery.

A LARGE CONTRACT.

The Metallic Roofing Co., Limited, has received the contract for placing metallic ceilings in the fine, new building now being erected at the corner of Yonge and Temperance streets, Toronto. The public at large seem to realize that these handsome fireproof ceilings are the only proper investment for the interior finish of an up-to-date building.

An Enthusiast--

A gentleman wrote us from Redwood, Muskoka, a few days ago, as follows :

"I understand you manufacture a Marine paint suitable for yacht bottoms. As I obtained such **very good results** with 5 or 6 gallons of S.W.Co'y paint 387, in 1896, I would like to try it. I tried three or four other paint manufacturers and my experience is, no paint wears or looks like Sherwin-Williams Paint. I don't think there could be any place so severe on paint as in this section of the country. Extreme heat and cold with reflection of sun on water. House I painted in 1896 looks as if it was **newly painted**—still retains its lustre and color. Looks like enamel paint after two years' use."

This sort of thing is what is compelling us to build new factories.

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers,

CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON

Walter H. Cottingham
Managing Director
Canadian Dept.

GLASS TRANSFORMATION.

Since 1886, there has been going on a general transformation in the glass industry, the change being made from pot to tank furnaces, first in bottle manufacture, then more thoroughly in window glass manufacture. Siemens, in Germany, led the way in bottle manufacture; the Pilkingtons, in England, were the first to introduce tank melting in window glass making, while Gobbe & Pagnoul did more than any others to transform the window glass industry of Belgium from pot to tank furnace melting. The first successful application of the tank in window glass manufacture in the United States was made under the direction of James A. Chambers, in Jeannette, in 1888, and the change has been so rapid that in less than a decade we have rounded about until now fully three-fourths of the entire window glass production is being made in tank furnaces.

In the latest issue of Diamant we notice a statement to the effect that in the department of the Rhine there is now not a single manufacturer of window glass melting in pots, the continuous tank system of Engineer Klatenhoff, of Boppard, on the Rhine, has been generally introduced. The information is further given that while the tank furnace can be operated much cheaper than

pot furnaces, the product of the tank is not only larger, but the quality is superior to that produced in pot furnaces.

PROGRESS OF INVENTION.

Marion & Marion, patent attorneys, Montreal, write :

"The number of applications for patents received during the year 1897 is, as has been stated, the largest in the history of the office. Yet, in all probability, this number will be exceeded in the coming year. The increase in the number of applications filed goes steadily on. Throughout the history of the Patent Office the number of applications filed in any one year has never fallen materially below the number filed in any previous year, and, except in times of general financial depression, has uniformly exceeded the number filed in any previous year. Taking the average number received for each decade since 1840, this increase is most striking :

1830 to 1840	11,869
1840 " 1850	38,842
1850 " 1860	117,245
1860 " 1870	202,595
1870 " 1880	334,439
1880 " 1890	414,790

"The number of applications filed in 1897 exceeded by over 2,000 the total number of applications filed in 24 years, from 1836 to 1860."

AN ELECTRIC DELIVERY WAGON.

THE first "horseless carriage," designed and employed for business purposes, has made its appearance in Toronto in the shape of a delivery wagon for the R. Simpson Co., Limited.

The propelling power is two 2-horse-power motors, one geared directly to either hind wheel, which admits of the wagon turning corners, turning round and performing such functions without causing friction loss by one wheel revolving faster than the other. These movements are controlled by powerful storage batteries, which hold sufficient electricity in one charge to run the vehicle from twenty to thirty-five miles, according to the weather and roads. The batteries are arranged in four groups, and are of such a character as will allow them to be charged directly from any electric light wire. It can be charged at noon hour, after running out its batteries in the morning, thus making it capable of covering between forty and sixty miles per day. The batteries take up small space, and are placed on the rear axle, which is about two feet from the ground.

The speed controller and other means for operating the wagon are so ingeniously arranged that no mistake in applying the brakes or turning on the current can be made. In other words, the current cannot be applied without first liberating the brake, nor can the brake be applied without first cutting off the current from the motors.

Danger from collisions is decreased to a minimum by an electric gong, and electric sidelights for night use.

As the tires are of solid rubber, two inches in depth, and the gearing is made of composite metals and rawhide, the wagon moves without any noise whatever.

The delivery box is about three by five feet, and four feet deep. The whole vehicle weighs about a ton, not much more than the heavier class of delivery carts propelled by horse-power. This wagon was built by The Fische Equipment Co., Chicago.

CATALOGUES, BOOKLETS, ETC.**UTICA DROP FORGE AND TOOL CO.**

The Utica Drop Forge and Tool Co. will mail their neat catalogue to merchants and manufacturers in the Dominion, on application. The illustrations of their celebrated cutting nippers, seal presses, cutting plyers, etc., are shown, as well as Sampson's patent singletree and whiffletree irons.

A HORSESHOE CATALOGUE.

All hardware dealers should secure a copy of the 1898 catalogue of the horseshoe manufacturer by The Pillow & Hersey Mfg. Co., Limited, Montreal, the old reliable "Blue Hoop" horseshoe. This catalogue con-

tains not only a full description and illustrations of the various patterns of "Blue Hoop" shoes, but some good pointers to blacksmiths and tables regarding the approximate weight of flat bar iron, round and square iron, etc., which will be valuable for reference. Pillow & Hersey's advertisement in this issue is interesting. Read it.

A COMPREHENSIVE CATALOGUE.

One of the most comprehensive catalogues of its kind is the 1898 catalogue issued by Merchant & Co. (incorporated), Philadelphia, New York, Brooklyn, Chicago, manufacturers of roofing plates, solders, babbitt and mixed metals, ventilators, shingles, metal tiles, etc. It's 112 pages are replete with illustrations, descriptions, tables, price-lists, and all such information as is desired by all dealing in or using any of the goods manufactured by this firm. Write for this catalogue.

INTERESTING TO HORSESHOERS.

The above is the title of the August, 1898, catalogue of the "M" brand and "XL" steel horseshoes and nails, manufactured by The Montreal Rolling Mills Co. This book is intended for distribution to blacksmiths, and includes an illustrated description of the 30 varieties of horseshoe nails manufactured by this firm. The catalogue is also replete with tables, giving approximate weight of the various shoes, the num-

ber of nails per pound, weight of bar iron, number in bundle, weight and size of round-edge tire steel, and such information as is valuable to the blacksmith and to those supplying his goods. Every hardwareman should have a copy of this catalogue.

"IT HAS NEVER FAILED."

One of the neatest and most effective range catalogues issued for the coming season is that now being sent out to the trade by The Copp Bros. Co., Limited, Hamilton, manufacturers of the Aberdeen range. The first pages are used to give illustrations and descriptions of the various ranges manufactured by this company. Six excellent designs of ranges are given.

The remaining pages are devoted to testimonials from housekeepers, over 150 being given, all of which give evidence of the highest satisfaction with the Aberdeen range, the verdict being "It has never failed."

A STRIKING WINDOW DISPLAY.

W. A. Gendron, Penetanguishene, has a very striking window this week. It consists of a man, made out of stove pipes, riding a wheel. The wheel is composed of two grindstones, with axe handles for the frame. Gear pulleys for the sprocket wheel, steam gauge for a cyclometer, and a lantern for a headlight. The body of the man is made of black stove pipe tin, while the head is made out of bright nickle tins.



GILBERTSON'S
"COMET"
BRAND

Patent Flattened Galvanized Steel Sheets

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and **cost less.**

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . . 22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

WHOLESALE
HARDWARE

37 Front Street West

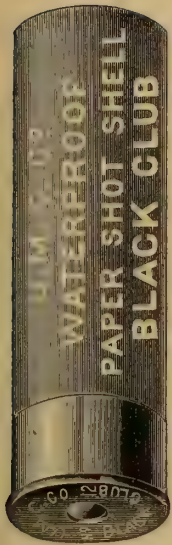
TORONTO

THE AMERICAN POWDER MILLS

CELEBRATED

GUNPOWDER

UNSURPASSED BY SIMILAR GRADES OF
ANY MANUFACTURE.



Cartridge Cases

Ely's, U. M. C.
and Dominion.

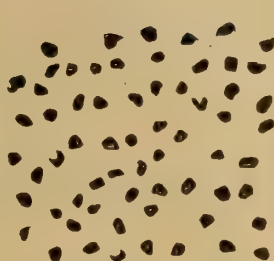
Metallic Cartridges

U. M. C. and Do-
minion.

Fuse

Hemp, Single
and Double.
Tape.

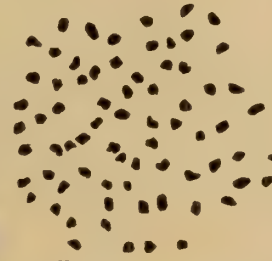
Gun Wads



Dead Shot, FG.



"DEAD SHOT"



Dead Shot, FFG.



Loaded Shells

U. M. C. and Do-
minion.

Gun Caps and Primers

Smokeless Powders Schultze

A most remarkably and universally popular Brand for general *FIELD* and *TRAP* shooting. Has for thirty years steadily grown in favor in the United States. *STRONG, UNIFORM*, can be *USED ALL DAY* without cleaning the gun: being a *MOIST BURNING* Powder, it is, for every day use, the sportsman's favorite. *DEAD SHOT* is packed in air-tight metal packages, each containing twenty-five pounds.



"Stevens Favorite Rifles."



Piper's Guns, Winchester and Marlin Rifles.

LARGE ASSORTMENT

GRAHAM Cut and Wire Nails are the Best.

CLOSE PRICES

LOANS FOR YOUNG BUSINESS MEN

MANY young men in business for themselves have at some time or another been in such a position that a loan of, say, £100 for a few months at 2 per cent. would have been a boon, and would have tided them over an almost overwhelming difficulty. Those in the provinces will probably be surprised to learn that their brethren in the city of London are, subject to satisfactory security and surety being forthcoming, able to avail themselves of such an advantage, and that through the medium of no less an august body than the corporation itself. It appears that the corporation are the trustees of a bequest of a certain Samuel Wilson, under which loans to the amount of between £100 and £300 are granted at 2 per cent. interest to young men in the first to the third year of being in business for themselves. The fund from which this money comes amounts to £40,000, and was left 130 years ago by a philanthropic citizen for the express purpose of helping young men in their early business career. I am told that there are many flourishing men of business who owe their first start to the Wilson loan, and freely admit that but for it they would be occupying positions far different from those they at present hold. The idea is one which benevolently disposed people who have no one in particular to leave their money to would do well to consider. I fancy many provincial municipal bodies would only be too pleased to have the administration of such a fund put into their hands. They ought to be able to efficiently manage such a bequest, for they are often considerable borrowers themselves.—Ironmongery.

CAREFUL BUYING NECESSARY.

AMONG the many evils which are detrimental to trade, those of over or under buying are certainly very grievous, remarks Stoves and Hardware Reporter. It is a prolific subject for discussion and one which will be commented on till the end of time. It is equally difficult to say which of these two faults cause greater loss to the merchant. Both lead to inevitable loss. If the season be a natural one, the merchant in consequence find a greater sale for seasonable goods. No one, however, can be so wise as to prognosticate previously just what the season may be, consequently preparations can only be made for a demand which may be kept within due bounds. For this reason, then, it often happens that the supply is not always up to requirements. This loss may in part be rectified by reordering, unless the manufacturer may have also made the same mistake and finds his supply short and his plant incapable of turning out enough goods

to meet the accelerated demands which come in from all quarters. A dealer ought to be able to judge of the quantity of goods needed each season by past experience, by trade conditions which are prevailing and the financial state of the country. Good authorities can judge pretty accurately what these may be. Conservatism should by all means be observed in ordering goods. Either extreme is equally detrimental and injurious to trade.

U.S. PIG IRON PRODUCTION.

THE IRON AGE, reviewing the pig iron production for July, says: "Our furnace reports show that there has been a further decline in the rate of pig iron production in July, so that we entered the current month producing at a rate of about 10,750,000 tons per annum. It should be stated, however, that in a good many cases the July product of the active furnaces was not up to their usual average, an experience which is not uncommon in midsummer. The weekly capacity of the furnaces in blast on July 1, compares as follows with that of preceding periods:

	Furnaces in Blast.	Capacity Per Week. Gross tons.
August 1, 1898.....	187	206,777
July 1.....	185	216,311
June 1.....	190	225,311
May 1.....	194	234,163
April 1.....	194	233,339
March 1.....	193	234,430
February 1.....	184	228,338
January 1.....	188	226,608
December 1, 1897.....	191	226,024
November 1.....	183	213,159
October 1.....	171	200,128
September 1.....	161	185,506
August 1.....	152	165,378
July 1.....	145	164,164
June 1.....	146	168,380
May 1.....	146	170,528
April 1.....	153	173,279
March 1.....	156	169,986
February 1.....	154	162,959
January 1.....	154	159,720
December 1, 1896.....	147	142,278
November 1.....	133	124,077
October 1.....	130	112,782
September 1.....	145	129,500
August 1.....	173	157,078
July 1.....	191	180,532
June 1.....	194	182,220
May 1.....	196	180,398
April 1.....	200	187,451
March 1.....	207	189,583
February 1.....	215	198,509
January 1.....	241	207,431

TRADE CHAT.

D. GILLESPIE, general merchant, Stayner, Ont., is taking advantage of the summer quietness in business to visit Chicago.

The London Bolt and Hinge Works Co., is putting an addition to its factory.

Warton, Ont., is dealing with a Toronto manufacturing company who employ about 20 hands all the year, with a view to having them locate in that town.

W. Bush, boat and canoe builder, Coldwater, Ont., intends erecting a planing mill and door factory in that place. He expects to have it in operation for the fall trade.

Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

PICTURE CORDS, SHADE CORDS, PICTURE AND SHADE HARDWARE, SOLID BRAIDED CORDAGE, BICYCLE DRESS GUARD LACING.

.....Ask your jobber for our goods

THE OSSAWAN MILLS CO.

Norwich, Conn., U. S. A.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent,
April 3 1897.

With Plated Rust Proof and Guarded Spring.
"The Latest and Best." Sold by all Leading
Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety.
Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and
Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.

Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.

Wholesale trade only.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of
Tinsulate, Tinned sheets, Tinned Plating, Canada Plating Gal-
vanized sheets, Imitation Russia Sheets, Black Sheets—Iron
and Steel—Hoops and Bands. Proved Coil Chain Brass and
Copper Sheets Norway Iron and Steel, Wheelbarrows, etc.

The Fork Handle
Season is now on.

We have a very heavy
stock—can ship promptly,
and supply the best. Kindly
write us for prices and secure sam-
ples before booking your orders for Axe
Handles for Fall Shipment. We will be
in a position to supply thoroughly sea-
soned goods, and of the finest quality of
second growth hickory. We make a
specialty of

"Hand Shaved"
Octagon Axe Handles
(Made by Indians)

being the largest dealers in Canada in
this line. Can give exceptional value in
this handle for fall business.

Eastern Agent—W. B. Murlok, Amherst, N.S.
Western Agent—J. A. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.

AN ANNOUNCEMENT !

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

Enameline

THE MODERN
STOVE POLISH
PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

Window Glass



We have a large, well assorted stock.

Sanderson Percy & Co., - Toronto

CANADIAN ADVERTISING is best done by THE
E. DESBARATS ADVERTISING AGENCY,
MONTREAL.

ISLAND CITY Paint and Varnish Works

.. Manufacturers of ..

READY MIXED PAINTS and
FINE COACH VARNISHES.

WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.

WORKS 274 St. Patrick St., MONTREAL.

STOVE BOLTS TIRE BOLTS RIVETS

WRITE FOR PRICES.

**CHALCRAFT
SCREW CO.**
BRANTFORD, ONT.

THE

New White Metal Polish

"Nanon"

The Queen of Polishes.

Imparts instantaneously a dazzling and lasting
BRILLIANCY
to Brass, Tin, Nickel, Zinc, Gold, Silver, etc. Free
from grit or emery, and will not scratch the finest
surface.

Samples on Application.

LAMPLUGH & McNAUGHTON

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Sole Agents for Canada.

The Canadian Mining Exhibit Co., Limited

Will give you any information in reference
to Mines or Minerals found in your district.

Assays made by their own Assayers

If you have or know of any Minerals you
do not know the value of, send Samples
to us, and we will let you know whether it
is worth anything to you.

Mining Properties Valued by Experts

THE

CANADIAN MINING EXHIBIT CO., Limited

650 Craig Street

... MONTREAL.

ROOFS FOR THE KLONDIKE



Roofs must be chosen
with care and judgment in
any country, and especially
so in Canada.

All our products are constructed for use in Canada, and ample provision is allowed for contraction and expansion, and we guarantee them to be water, wind, and storm proof.

Up-to-date information and fully illustrated catalogues of Steel Roofings, Sidings and Ceilings sent free for the asking.

The Pedlar Metal Roofing Co.
OSHAWA, ONT.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

HEAVY BUSINESS IN PIG IRON.

IN foundry pig iron, there has been quite a heavy business, a large part of it consisting in closing business on which options were in buyers' hands. This has so well filled up the leading makers, both in the south and in some northern districts, that they have raised prices from 25 to 50c. a ton, without, however, having booked very much at the higher figures. Belated buyers are reproachful, and show a disposition to test the market.—Metal Worker.

LINSEED OIL IN THE STATES.

The first part of the week under review showed weakness in the linseed oil market and a further reduction in prices. City crushers reduced raw oil to 33c. in lots of five barrels or more, and 34c. in lots of less than five barrels. Boiled oil is 2c. per gallon in advance of these prices. The market now shows more firmness. Out of town brands are held 1c. below the foregoing quotations. Orders are offered at figures below these prices, but are not accepted by the manufacturers. The uncertainty of the market is restricting purchases at present values. The falling off of the market is attributed to the continued decline in the price of seed and to sharp competition.—Metal Worker.

TINPLATES IN WALES.

A Swansea paper of August 12, says: "The shipments of tinplates are reduced, as shown below, but the home consumption is brisker. There is a large consumption going on, which somewhat makes up for the deficiency in shipments, a larger trade being done foreign with worked-up tin goods, which are being sent where there have been no machines for making cans, etc., erected. The number of mills at work remain unaltered."

UPS AND DOWNS OF PRICES.

The prices for iron and steel products in the United States have gone up and down the throat of the thermometer in all kinds of changing moods. Some of these variations have been in touch with economic laws, and others have been the direct effects of unscrupulous competition and a dumpage of surplus stocks on an already gorged market. Increasing productive capacity and the concentration of enterprises have in many cases driven the smaller concerns to the wall, and a carnivorous tooth has been freely put in what was left of a small margin of profits. The following figures give the course of prices from June, 1897, as given in the annual report of the American Iron and Steel Association. They fairly indicate

the ups and downs in prices of all kinds of iron and steel products by the course of prices for steel billets at Pittsburg: June, \$14 per ton; July, \$14; August, \$14 to \$14.90; September, \$15 to \$16; October, \$16.50 to \$16.75; November, \$16.50, dropping to \$15.50; December, \$15. January, 1898, \$15; February, \$15 to \$15.25; March, \$15.25 to \$15.50; April, \$15.50, dropping to \$15.25; May, \$15, dropping to \$14.75; June, \$14.75; July, \$14.75; August, \$14.75. All these are fair quotations for most of the sales made in the months mentioned. The lowest price of billets ever recorded, \$13.85, was in May, 1897.—Age of Steel.

CRUDE STEEL DEARER.

In crude iron and steel prices are again higher this week. It is related that one of the largest producers of steel was a few days ago, in order to complete his engagements, compelled to buy from a competitor 50,000 tons of steel, and that, too, at an advance over the price he was to receive for the material. The practical effect of an example like this is very great. Its influence in directing upward the course of prices and in giving zest and poignancy to the movement can be thoroughly appreciated. Speaking generally, the price of crude steel has advanced from \$1 to \$2 per ton during the past two weeks. The strength is the result of scarcity, a scarcity not only local at Chicago, but existent throughout the country. It is evidenced by the enquiries that are daily reaching this city from territory that is naturally tributary to other centres. In some instances the stress is greater elsewhere than at Chicago. Thus, at Pittsburg, billets have advanced about \$2 per ton. The advance here has been less, but prices, it must be stated, are nominal, for there are few if any billets for sale. Plates have joined the ascending procession and added \$1 to their former value. Steel bars are quotably higher.—Iron and Steel, Chicago.

NEW YORK MARKETS.

PIG TIN—Under the influence of fairly good consumptive demand, and, in the face of low "official" quotations that served a small interest, the market was decidedly firm. Actual tin could not have been purchased at less than 16.20 to 16.25c. f.o.b. in lots of five tons or over, and there were few sellers at that price, despite the fact that about 575 tons arrived here and at other Atlantic ports. A good portion of this stock, it is understood, goes directly to consumers on previous sales. There are now

about 3,700 afloat for this country, according to "official" calculation.

COPPER—The market is very firm. Shipments to Europe, along with deliveries to home consumers, are taking up a good portion of current production, and the movement serves to keep prices firm. Sellers are now holding at 12¼c. for Lake Superior ingot, and, in some instances, bids of 12c. were refused.

Electrolytic was relatively quite as firm at 11¾ to 11⅞c., and ordinary casting stock at ⅞ to ¼c. less, for early delivery. London cables on merchant bars were somewhat higher and reported fairly large business.

PIG LEAD—Business of fair volume was effected at 4.10c. for carload lots, spot or near future delivery, and that price was seemingly the lowest at which purchases could have been made at the close. About 4.12½ to 4.15c. was generally asked.

SPELTER—Cheap lots have been quite well cleaned up and the market is now quite strong, with 4.65c. the inside for spot or future delivery in this quarter and 4.70 to 4.75c. asked by most holders. In the London market there has been a rally to £20 12s. 6d. for good merchant brands.

ANTIMONY—Dealings are moderate, but prices remain firm at 9 to 9¾c., according to brand and quantity.

TINPLATE—Business is rather lighter in both spot and forward deliveries, and prices remain without important change.

IRON AND STEEL—There was nothing more than ordinary business in any department and former prices were quite generally quoted.—New York Journal of Commerce.

SAVED BY A NAIL.

A. L. Carter, a Whitestone Landing, N.Y., tinner, had an exciting experience on August 12. He was fixing the roof of a house and started to descend, when he slipped, owing to the mossy wet roof being as slippery as glass, and went flying down the roof as though on a toboggan slide. Just as he reached the edge of the roof, which was 40 feet above the ground, something caught in the seat of his trousers. It was a protruding shingle nail. It tore the cloth, but it stopped his downward flight. After he recovered from his fright he threw himself on his stomach, loosening himself from the nail, and crawled upward, slipping back again and again for two hours before he reached the scuttle, completely exhausted.

THE GUELPH ACETYLENE GAS CO.

Invite the Hardware and Plumbing Trades to inspect their New Machine at the Industrial — Stove Building — right side—near the entrance.

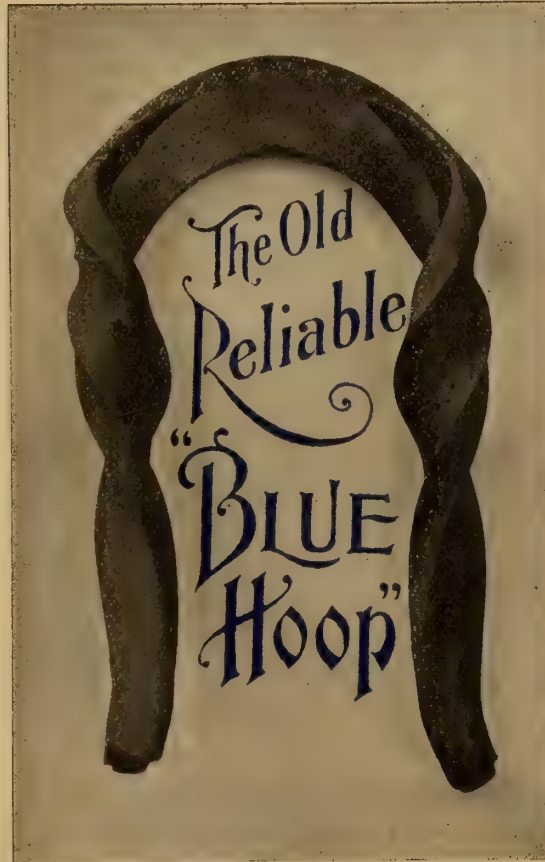
PILLOW & HERSEY MANF'G CO.

Limited

--- Montreal



WE beg to advise the trade that we have again improved the quality and finish of our Horse Shoes this season, and recommend our 1898 model as undoubtedly the best Shoe in the market.



IRON, HIND. TWISTED COLD.



Place your orders early to ensure prompt delivery.

All our goods are packed in kegs with Blue Hoops.



STEEL, FRONT. TWISTED COLD.

These Shoes

were taken from our ordinary stock, and show quality of material of which all our Shoes are made.



STEEL, HIND. TWISTED COLD.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, August 26, 1898.

HARDWARE.

THE movement in hardware during the past week, while it does not show any radical change, has been of a freer character. This applies more especially to horse nails and horseshoes, screws, bolts and nuts. Cement also has furnished more trade, as supplies are more ample than they were. Changes in value are not many, but both cut and wire nails have sold lower here this week. Plain wire is steady as last quoted, with hay baling in fair request. Iron pipe is lower, and there have been no other change of importance.

BARB WIRE—Business in barbed wire is extremely quiet, and prices are unchanged at \$2.

PLAIN WIRE—There is a fair demand for hay-baling wire, but other sorts are quiet. Discounts are 40 per cent. on oiled and annealed, and 35 per cent. on galvanized.

WIRE NAILS—Values rule easy, yet, despite this fact, business is dull. We quote the base price this week \$1.75, and it is

claimed that the price would be shaded in the case of a round lot.

CUT NAILS—These also are easier, the jobbing price this week being quoted at \$1.70 f.o.b. Montreal.

HORSE NAILS—There has been a fair enquiry for these at steady prices. Discounts are 50 per cent. on standard and 50 and 20 on Acadia brand.

HORSESHOES—Orders for these show increase this week. We quote: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35.

SCREWS—In fair enquiry. Discounts are as follows: Flat head bright, 87½ and 10; round head do., 80 and 10; flat head, brass, 82½ and 10; round head brass, 75 and 10. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75 and 10.

BOLTS—There is little to note in relation to these. Discounts are as follows: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65

and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS, ETC.—There is a fairly active trade on these lines. Discounts are as follows: Iron, black and tinned, all sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Business is light and values unchanged. We quote: Sisal, 7-16 and up, 10½c.; ¾, 11c.; 5-16 and ¼, 11½c., and 3-16, 12c.; manilla, 7-16, 12¾c.; ¾, 13¼c.; 5-16 and ¼, 13¾c., and 3-16, 14¼c.

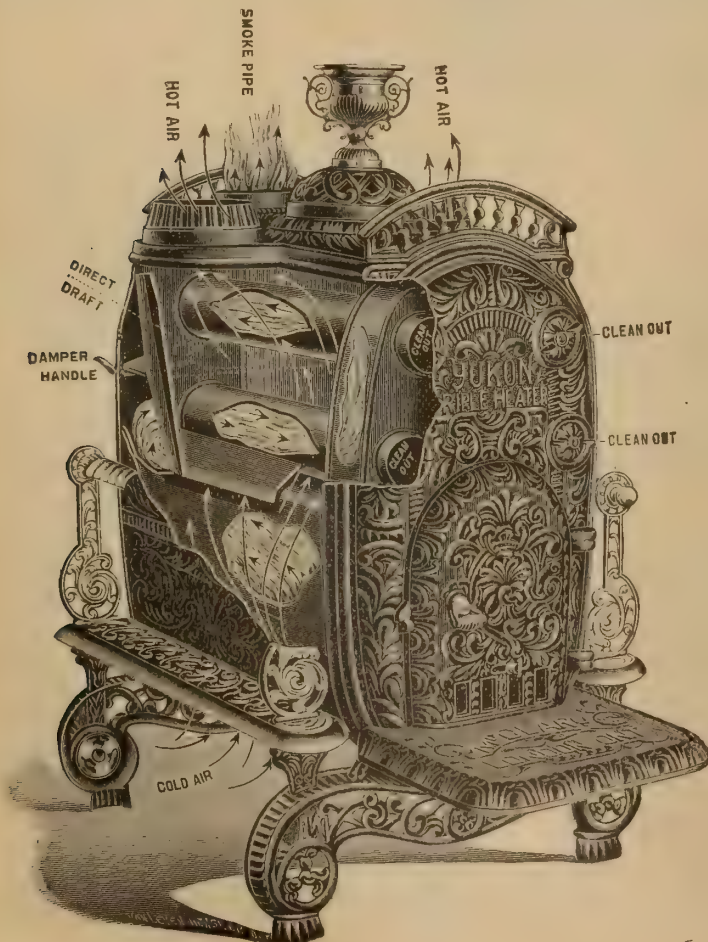
CLOTHES WRINGERS—There is a fair movement of these. We quote \$29.

BELTING—Trade is rather quiet, and prices steady.

HINGES—Quiet and steady. We quote: 6 to 12 inch, \$3.15 per 100 lb.; 14 inch, \$2.35; T and strap, 70 and 10 per cent., and screen door, \$6.50 per gross pair.

SPADES AND SHOVELS—Only a small trade passing, with discounts 40 and 10 per cent.

BUILDING PAPER—Dull, but steady. We quote as follows: "Good Luck" fibre,



Yukon Triple Heater

FOR WOOD

HEATS EQUAL TO A SMALL FURNACE

BURNS 30-INCH WOOD

Fire travels three times the length of stove before entering smoke pipe.

The heavy fire linings are made in pieces, which can be replaced through front door, and are surrounded by another lining, preventing the slightest smoke escape into hot air pipes.

By operating the damper at back, the fire is made to pass direct into chimney or through the flues on either side, as may be desired. Flues cleaned from front of stove. Hot air pipes on either side of stove; one cannot draw or rob heat from the other. Stove sets on a base the same as a range. Every piece can be easily replaced without sending stove to factory.

We were unable to supply the demand for these stoves last year. To ensure delivery, better order early.

If you want your goods quick,
order from McClary.

THE McCLARY MFG. CO.

London, Toronto, Montreal, Winnipeg and Vancouver.

APOLLO BEST BLOOM
GALVANIZED IRON.

Galvanized iron ought to be soft, flat, uniform, true to gauge. Apollo is guaranteed to be so.

Apollo Iron and Steel Company
Vandergrift Building
Pittsburgh, Pennsylvania.

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

· FACTORIES

...MONTREAL

CUT NAILS

Clinch and Pressed Nails, Horse Shoes (Steel and Iron), Railway and Pressed Spikes, Mine and Wharf Spikes, Drift Bolts, Washers (Steel and Iron).

CANADA IRON FURNACE CO.,

Manufacturers of

Limited.

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que.
Lac a lac Tortue.

Three Rivers.
Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

tarred, 45c.; dried, 35c.; "Shield" brand, sheathing, tarred, 27c.; dried, 22c.; "Dominion" brand, tarred roofing felt, \$1.10.

CEMENT—There has been a fair demand at the advance noted last week. Stocks also are fuller than they were as a result of the arrival of one or two cargoes. We quote: Belgian, \$1.85 to \$2.05; German, \$2.35 to \$2.50, and English, \$2.25 to \$2.35.

FIREBRICKS—There is a good enquiry for these at the old range, \$16 to \$21 per 1,000, as to brand.

METALS.

The heavy iron and metal market rules firm on nearly all lines, and this is particularly the case with copper which is higher outside.

PIG IRON—There is no change in pig iron, foundrymen operating in a hand to mouth way, while values are steady. We quote as follows: No. 1 Hamilton, \$15; No. 2, \$14.50; Ferrona, \$14.50 to \$15; Siemens, \$14.50 to \$15, and Summerlee and equal brands, \$17, ex wharf, and \$18 to \$18.50 ex yard.

BAR IRON—Car lots of these have changed hands inside of our range, but in an ordinary jobbing way we quote \$1.35 to \$1.40.

HOOPS AND BANDS—There has been little change in these, and we quote \$1.75 to \$2.

SHEET STEEL—There has been some demand for this, and values are firmer all round as follows: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON—There is a quiet trade in sheet iron. We quote: \$2.15 on 10 to 16 gauge; \$2 on 18 to 20 gauge; \$2.10 on 22 to 24 gauge; \$2.20 on 26 gauge, and \$2.25 on 28 gauge.

GALVANIZED IRON—There have been quite a number of orders booked this week for importation. Values here are steady. We quote: "Queen's Head," No. 28, \$4.10 to \$4.15, and "Comet," \$3.75.

INGOT COPPER—Very firmly held, as a result of strength abroad, at 13c.

SHEET COPPER—Prices have advanced ½c. outside this week, which makes a rise of 1c. in the month, and 16-oz., is now held at 16c., and 14-oz. at 17c.; tinned copper, 16 oz., 18c., and 14-oz., 18½c. Of course, these prices would be shaded in case of ton lots.

INGOT TIN—Rules firmer, with a fair enquiry, at 17¾c. for "Straits," and 18½c. for "Lamb" and "Flag." Ton lots are, of course, obtainable for ½c. less money.

PIG LEAD—There is more enquiry for this metal, while the basis is firmly held at \$3.80.

IRON PIPE—There is a fair enquiry, and

Anvils and..... Vises

A full stock carried of

HENRY WRIGHT & CO.'S MAKE

which are second to none in quality, of best patterns, and right in price.

A. C. LESLIE & CO.

Iron, Steel and Metal Merchants

Montreal.

"GREENING'S

Cow Ties."

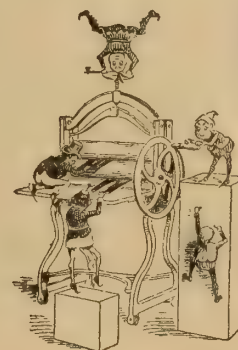
These Cow Ties have stood the test for years. Undoubtedly the best and strongest on the market.

It will pay to handle only the best. A complete line of all sizes ready for shipment. For sale by all jobbers.

The B. Greening Wire Co.

LIMITED

MONTREAL AND HAMILTON.



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited

Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

prices are lower this week all round as follows: Black pipe, $\frac{1}{4}$ -inch and $\frac{3}{8}$ -inch, \$1.90; $\frac{1}{2}$ -inch, \$2.15; $\frac{3}{4}$ -inch, \$2.55; 1-inch, \$3.55; $1\frac{1}{4}$ -inch, \$4.70; $1\frac{1}{2}$ -inch, \$6.10, and 2-inch, \$8.20. Galvanized, $\frac{1}{2}$ -inch, \$3.75; $\frac{3}{4}$ -inch, \$4.50; 1-inch, \$6.30; $1\frac{1}{4}$ -inch, \$8.65; $1\frac{1}{2}$ -inch, \$11, and 2-inch, \$15.

LEAD PIPE—Quiet and steady, at $7\frac{1}{2}$ c., for composition waste, and 7c., for lead pipe, with 25 per cent. discount.

CANADA PLATES—Importers have placed some good orders for these, and more is doing from stock also. We quote: 52's, \$2.15 to \$2.20; 60's \$2.30, and 75's \$2.40 to \$2.45. Full polished, \$3.

TIN PLATE—Enquiry for these has been more active for prompt shipment. We quote as follows: Coke, I. C., \$2.90 to \$3.25; charcoal, I. C., Allaway or Comet brands, \$3.25; do, I. X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I. C., \$3.95; do. I. X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Steady, but quiet at \$6 to \$6.25.

TINNED IRON—The movement in this is light.

COIL CHAIN—A moderate trade is doing. We quote: $\frac{1}{4}$ -inch, \$5; 5-16, \$3.50; $\frac{3}{8}$, \$3.25; 7-16, \$3.15; $\frac{1}{2}$ -inch, \$3, and $\frac{5}{8}$ up, \$2.85.

SHEET ZINC—There is a fair demand, both for cask and broken lots. Prices are firm at $5\frac{3}{4}$ to 6c.

SOLDER—Steady, with a firm tendency, at $11\frac{1}{2}$ c.

ANTIMONY—Quiet, but firm, at $9\frac{1}{4}$ to $9\frac{1}{2}$ c.

SPELTER—A fair trade is noted, in a small way, at \$5.40 to \$5.50.

SCRAP IRON—Foundrymen and makers have not been on the market, and prices are nominal at \$12.50 for No. 1 wrought scrap.

GLASS.

The firmness abroad continues, but prices here are unchanged in window glass. Demand is fair. We quote as follows: First break, \$1.50; second, \$1.60 per 50 feet; first break per 100 feet, \$2.80; second, \$3; third, \$3.30; fourth, \$3.50; fifth, \$3.70; sixth, \$4.25, and seventh, \$4.75.

PAINTS AND OILS.

There has been no special feature during the past week, but orders have been considerably better and preliminary enquires more numerous, showing that the dull season will shortly be over. Linseed oil and turpentine are both very strong at primary markets, but no changes have taken place in local prices.

WHITE LEAD—Best brands, Government standard, \$5.62 $\frac{1}{2}$; No. 1, \$5.25; No. 2, \$4.87 $\frac{1}{2}$; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, $4\frac{1}{2}$ c.; kegs, $4\frac{3}{4}$ c.; No. 1, casks, $4\frac{1}{4}$ c.; kegs, $4\frac{1}{2}$ c.

WHITE ZINC PAINT—Pure, $6\frac{1}{2}$ c.; No. 1, $5\frac{3}{4}$ c.; No. 2, 5c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 48c.; boiled, 51c., five-barrel lots one cent less net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 45c.; large lots, 1c. less, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at $8\frac{1}{4}$ to $8\frac{1}{2}$ c.

SEAL OIL—37 to 40c.

COD OIL—Supplies light, and prices firm at 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, $4\frac{1}{2}$ to $5\frac{1}{2}$ c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

Business in hides rules dull, with prices steady. Lambskins are firm at 40c., and beef hides are steady: No. 1, 9c.; No. 2, 8c.; and No. 3, 7c.

PETROLEUM.

Business in petroleum has been picking up a trifle. We quote: Canadian in small lots, 14c.; Crown Acme, 16c.; American prime white, 17c.; water white, 18c.; Pratt's astral, $19\frac{1}{2}$ c.

MONTREAL NOTES.

Copper is firm, and sheet material is $\frac{1}{2}$ c. higher than it was last week.

Ingot tin is $\frac{1}{2}$ c. higher this week in a jobbing way, and held firm at the rise.

Advices from abroad on window glass note another advance of 3 to 4 per cent.

The jobbing basis on both cut and wire nails here has been reduced 5c. per keg.

Prices on both black and galvanized iron pipe are lower all round this week, on this market.

ONTARIO MARKETS.

TORONTO, August 26, 1898.

HARDWARE.

NO particularly striking features have developed in the wholesale hardware trade during the week. The opinion is that business is again beginning to improve, and that in a few weeks from now fall trade will be well under way. The buying during the summer months was so exceptionally good, that it would not surprise some if it had its effect upon fall trade,

OAKEY'S

'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

Portland Cements

Best German, English and Belgian Brands

Calced Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

ONTARIO LEAD AND WIRE CO'Y, Limited

TORONTO.

Manufacturers of . . .

"Somerville's" Absolutely Pure
and Decorators' Extra

WHITE LEAD

also

"Ontario" Pure, Nos. 1, 2, 3 and 4.

Wire Nails . . .
Barb Wire and Staples
Ross Braid
Ribbon Fencing
Shot, Lead Pipe, and Traps

Importers and dealers in _____

PLUMBING AND STEAM FITTERS' SUPPLIES

Factory—55, 57 and 59 Richmond St. East.

Office—54 and 56 Lombard Street.

Telephones—763 and 1092.

WRITE FOR OUR PRICES

We are the Oldest and Largest Manufacturers of

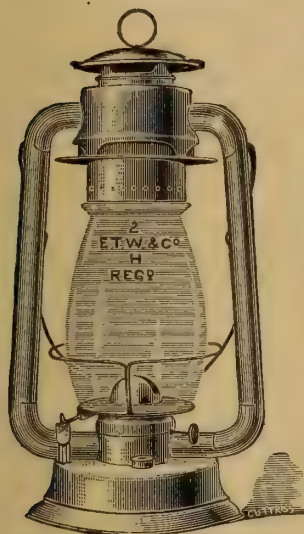
SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The...

John Morrow Machine Screw Co.
Ingersoll - Ontario.

E. T. WRIGHT & CO.



Manufacturers
of...

Tubular and
Cold Blast
Lanterns

Bird Cages
Mouse Traps
Flour Sifters

Stamped
Re-tinned
and Japanned

.. TINWARE

HAMILTON - CANADA.

50 Buildings on the

TORONTO
EXHIBITION GROUNDS

are roofed with our

Steel Shingles

The following letters show their worth:

"I take pleasure in certifying that the roofs on the Exhibition Grounds, covered with your Metallic Shingles, have given the utmost satisfaction, and have proved the tightest roofs we have. I consider them a good fire protection.

"MARK HALL, Architect."

"I agree with Mr. Hall's statement as to character of roofing material furnished by this company. The Siding and Shingles are ornamental in design and effective as a fire-guard.

"JOHN J. WITHROW,
"President, Industrial Exhibition, Toronto."

Call in and inspect our many lines of reliable fireproof building materials on your way to or from the Fair. We are right at the corner of King and Dufferin Sts., adjacent to the grounds, and will make you cordially welcome

METALLIC ROOFING CO., Limited

1179 King Street West, Toronto.

John Bowman Hardware and Coal Co.

180 to 182 York St. - LONDON, ONT.

Screen Doors

Woven Wire

Poultry Netting

Fence Wire

Paris Green

Harvest Tools

Builders' Hardware

Full stock of seasonable goods. Prompt shipment. Close prices.

The...
Dominion
Wire
Manufacturing
Company,
Limited.

Manufacturers of

MONTREAL.



TORONTO.

Iron, Steel,
Brass and
Copper ..

WIRE

WIRE NAILS and WOOD SCREWS
BRIGHT WIRE GOODS

STEEL and BRASS JACK CHAIN

"CRESCENT" COAT and HAT HOOKS

Ask for "Dominion" Goods.

Guaranteed and
SECOND TO NONE

although everyone at the same time expects the ensuing season to be a good one. The week has been without any material change in prices. Sporting goods are active, and a demand for grain scoops is beginning to assert itself. A little more business is being done in wire nails. In other lines business is much the same as it was a week ago.

BARB WIRE—Some of the jobbers report that they are now practically out of the market as far as orders for immediate delivery are concerned, and in consequence the orders they receive are handed over to the manufacturers to sell. We quote as follows: Four point, \$1.85 f.o.b. Toronto and London, and two point at \$1.90. Terms, 30 days or 2 per cent 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—Business is almost nil in ordinary fence wire. There is little doing in hay baling wire, and in bright wire the demand is good. Discounts: Annealed, oiled and annealed, 35 per cent.; galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 35 per cent.

WIRE NAILS—The demand appears to be a little better. Prices are firmer in the United States, but in Canada there is no change. We quote \$1.80 Toronto, for ordinary quantities.

CUT NAILS—A good many orders for small lots orders are being shipped from factory, but there is not much doing from stock. Base price is \$1.75 per keg, Toronto, Montreal, Hamilton, London.

HORSE NAILS—Quite a few orders are reported. Discount: Standard, 50 per cent.; Acadia, 50 and 20 per cent.

HORSESHOES—A fair business is still being done in horseshoes. We quote: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—A brisk trade is being done. Discounts are: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—The demand keeps steady for carriage, machine and coach screws, and a brisk trade is opening up in plough bolts. We quote: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and

5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¾c.; hexagon, 5¼c.

RIVETS AND BURRS—Trade keeps steady. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—Trade is dull. We quote: Sisal, 7-16 in. and larger 10½c.; ¾ in., 11c.; ¼ and 5-16 in., 11½c.; Manilla, 7-16 in. and larger, 13c.; ¾ in., 13½c.; ¼ and 5-16 in., 14c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

CHURNS—Business is much as before. We quote discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—There is a fair trade doing. We quote: "New Leader" "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50.

BELTING—A moderate business is being done. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

HINGES—Trade is steady. We quote: 6 to 12 inch, inclusive, at \$3.15 per 100 lb., and 14-inch and upwards at \$2.35; light T and strap, 70 and 10 per cent.; screen door hinges, \$6.50 per gross pair.

SPADES AND SHOVELS—Trade is opening up in grain scoops, but some difficulty is being experienced in getting supplies. Trade in spades and shovels is quiet. Discount, 40 and 10 to 45 and 2½ per cent.

BUILDING PAPER—Business is still on the quiet side. We quote: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred; asbestos paper, 6½c. per lb.

CEMENT—There is still considerable difficulty experienced in filling orders on account of scarcity. Prices are unchanged. We quote as follows in barrel lots: Canadian Portland, \$2.70 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.35 to \$2.50; Canadian hydraulic cements, \$1.00 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

METALS.

The feature of the metal market is the strength of tin and copper.

PIG IRON—We hear of no transactions and quotations are nominal. The United States market is firmer. We quote: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$11.80 per ton; No. 2 ditto, \$11.55; No. 1 Northern American soft, \$11.80; No. 2 ditto, \$11.55. Hamilton iron, No. 1, in 100-ton lots, \$14, on track Toronto.

BAR IRON—There is no change, business still being quiet. We quote base price \$1.45 to \$1.55 from stock, and \$1.35 to \$1.45 from factory.

HOOP AND BAND IRON—Not much doing. We quote: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—There is just a steady trade doing. We quote: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—There is not a great deal doing, but trade is fair. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—The demand is fair at unchanged prices. We quote as follows: Queen's Head (case lots), 16 gauge, 3¾c.; 18 to 24, \$3.87½c.; 26, 4½c.; W. G. 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, \$4; 26 gauge, \$3.75; 22 to 24 gauge, \$3.50. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are ¼c. per lb. higher than figures named.

INGOT COPPER—The market is higher. Trade is quiet. We quote: 13c. for quantities and 13½c. for small lots.

SHEATHING COPPER, ETC.—The improved demand noted last week for brazers' and roofers' copper appears to have been maintained. We quote: Sheathing copper, 15½ to 16½c., according to weight and quantity; braziers', 15½ to 17½c. per lb., according to gauge.

INGOT TIN—A fair trade is being done and prices are higher. The market keeps steady. We quote: Straits, 19c. per lb.; Lamb and Flag, 19½c. per lb.

PIG LEAD—Very little doing. We quote 4 to 4¼c. for imported and 3½c. for domestic.

IRON PIPE—The demand keeps steady. We quote as follows: Black pipe, per

100 feet, $\frac{1}{4}$ to $\frac{3}{8}$ inch, \$2 to \$2.05;
 $\frac{1}{2}$ inch, \$2.15 to \$2.20; $\frac{3}{4}$ inch, \$2.62 $\frac{1}{2}$; 1
 inch, \$3.60; 1 $\frac{1}{4}$ inch, \$4.75; 1 $\frac{1}{2}$ inch, \$6.20;
 2 inch, \$8.30. Galvanized, $\frac{1}{2}$ inch, \$3.50 to
 \$3.80; $\frac{3}{4}$ inch, \$4.20 to \$4.60; 1 inch,
 \$5.85 to \$6.20; 1 $\frac{1}{4}$ inch, \$8.05 to \$8.25;
 1 $\frac{1}{2}$ inch, \$11 to \$11.25.

RANGE BOILERS—Trade keeps fair. We
 quote: Galvanized, 30 gals., \$5.25 to \$5.50;
 35 gal., \$6.25 to \$6.50; 40 gal., \$7.25 to
 \$7.50; copper, 30 gal., \$22; 35 gal., \$26;
 40 gal., \$30; discount off copper boilers,
 25 per cent.

CANADA PLATES Difficulty is still being
 experienced in getting orders filled. Quota-
 tions as follows: Half-polished, 52-sheet
 boxes, \$2.35; ditto, 60-sheet boxes, \$2.40;
 dull, 75-sheet boxes, \$2.50; ditto, "Alaska,"
 \$3.

TIN PLATES—The demand keeps fairly
 good. We quote as follows: Cokes, \$3 to
 \$3.10 for 14 x 20; do., squares, \$3.15 to
 \$3.25; \$6.25 for 20 x 28; charcoal plates,
 \$3.50 to \$3.60 basis for good brands.

TINNED IRON—Trade is steady. We quote:
 in case lots for 22 to 24 gauge, and 2 $\frac{3}{4}$ c. in
 lesser quantities; cut to size, 24 gauge,
 case lots, 4 $\frac{3}{4}$ c.; small lots, 5c.; 26 gauge,
 standard size, 6c. for case lots, and 6 $\frac{1}{4}$ c.
 for small lots.

COIL CHAIN—Trade is quiet with prices
 low and unchanged. We quote: $\frac{1}{4}$ in., \$4.65;
 5-16 in., \$3.75; $\frac{3}{8}$ in., \$3.25; 7-16 in.,
 \$3.15; $\frac{1}{2}$ in., \$3.10; $\frac{5}{8}$ in., \$2.80; $\frac{3}{4}$ in.,
 \$2.75.

SHEET ZINC—Trade is pretty active.
 Cask lots 5 $\frac{3}{4}$ c. per lb. and small quantities
 6c.

SOLDER—Trade is fairly active. Strictly
 half-and-half, 12 $\frac{1}{2}$ c.; small lots, 13c.;
 standard, 12c. per lb.

ANTIMONY—Quiet. We quote as follows:
 Cookson's, cask lots, 10 $\frac{1}{2}$ c.; smaller quanti-
 ties, 11c.; other makes, 8 $\frac{1}{2}$ to 9c.

ZINC SPELTER—Not a great deal doing.
 We quote 5c. for ton lots, and 5 $\frac{1}{4}$ c. for
 small quantities.

PAINTS AND OILS.

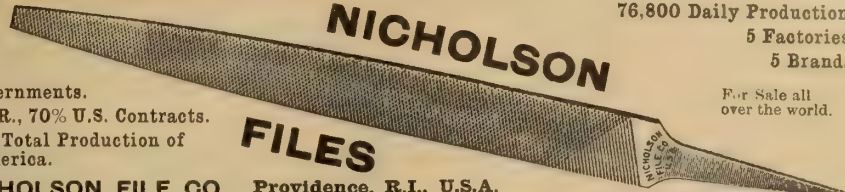
The summer quietness is still everywhere
 in evidence, there being little movement in
 any lines. White and red lead and linseed
 oil are firm; turpentine is steady. There
 is no change in quotation of any lines.

WHITE LEAD—Ex Toronto, pure white
 lead, \$5.75; No. 1, \$5.37 $\frac{1}{2}$; No. 2, \$5.00;
 No. 3, \$4.62 $\frac{1}{2}$; No. 4, \$4.25; dry white
 lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560
 lbs., \$4.75; ditto, No. 1, in casks of
 560 lbs., \$4.50; genuine, in kegs of 100
 bs., \$5; ditto, in kegs of 100 lbs., No.
 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We
 quote: Litharge, 6 to 6 $\frac{1}{2}$ c.; orange mineral,
 6 $\frac{1}{2}$ to 7 $\frac{1}{2}$ c.

76,800 Daily Production.
5 Factories.
5 Brands.
For Sale all
over the world.



NICHOLSON
FILES

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of
America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited.

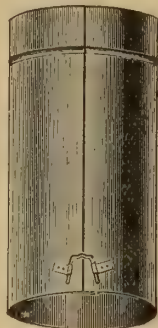
Established 1773.

Manufacturers of POLISHED PLATE, SILVERED PLATE, BEVELLED
 PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BEND-
 CERS AND BRILLIANT CUTTERS. Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—
 12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glas," St. Helens. Telephone No.
 68 St. Helens.

CLOSED.

NESTED.



BARCLAY'S PATENT "TRIUMPH" Adjustable Stove Pipe

Can be put up by the most inexperienced.
 So constructed that when taken down can
 be nested and stored in small compass.

Manufactured by

G. B. BARCLAY

168 Adelaide St. W.

TORONTO



In Crates of 25.

...BRUSHES...

Now is the time to get prices for fall stock of



DANDY BRUSHES
HORSE BRUSHES, Leather Backs
HORSE BRUSHES, Wood Backs
STOVE BRUSHES

Write us for prices and samples, or wait for our travellers.

MEAKINS & CO.

313 St. Paul Street

— MONTREAL



SEALED TENDERS addressed to the undersigned,
 and endorsed "Tender for Supplementary Outlet,
 Lake Manitoba," will be received at this office until Mon-
 day, 12th September next, for the excavation of a supple-
 mentary outlet for increasing and regulating the outflow of
 the waters of Lake Manitoba through Fairford River,
 according to a plan and a specification to be seen at the
 office of W. F. Gouin, E.-q., Resident Engineer, Winni-
 peg, Man., and at the Department of Public Works
 Ottawa.

Tenders will not be considered unless made on the form
 supplied and signed with the actual signatures of tenderers.

An accepted bank cheque, payable to the order of the
 Minister of Public Works, for four thousand dollars (\$4,000.00), must accompany each tender. The cheque will be
 forfeited if the party decline the contract or fail to complete
 the work contracted for, and will be returned in case of
 non acceptance of tender.

The Department does not bind itself to accept the lowest
 or any tender. By order,

Department of Public Works,
 Ottawa, August 5th, 1898.

E. F. E. ROY,
 Secretary.

Newspapers inserting this advertisement without au-
 thority from the Department will not be paid for it.

(35)

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
 Star Brand Cotton Clothes Lines
 Star Brand Cotton Twine

For Sale by all Wholesale Dealers

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 49c.; boiled, 1 to 4 barrels, 52c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 46c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

There is a fair movement. Prices are firm and unchanged. We quote: First break in 50-foot boxes, \$1.60, and in 100-foot boxes, \$3; double diamond, under 25 united inches, \$4.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL.

There is not a great movement noted, though the demand is excellent, and better prices may be had this week. We quote as follows: Agricultural scrap, 47½c. per cwt.; machinery cast, 55c. per cwt.; stove cast scrap, 32c.; No. 1 wrought scrap, 40 to 50c. per 100 lb.; No. 2, including sheet iron and hoop iron, 10½c.; new light scrap copper, 7¼c. per lb.; bottoms, 7c.; heavy copper, 7½ to 8c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2c.; scrap rubber, 3½ to 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—The feeling is weak, with the prospects of an early decline. We quote as follows: No. 1, 9c.; No. 2, 8c.; No. 3, 7c.; cured, 9½c.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Lambskins and shearlings are in excellent demand at 50 to 55c.

WOOL—There is nothing doing, as the opinions of buyers and sellers continue too widely divergent for business. Prices unchanged at 10c. for unwashed and 16c. for fleece.

COAL.

Prices are unchanged, but, as difficulty is experienced in filling orders owing to scarcity of stocks, the feeling is decidedly firm, and an advance is anticipated. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

PETROLEUM.

Prices are firm. The fall business has commenced, and the prospects are bright for a brisk trade. We quote at Toronto, as follows: Canadian, 13½c.; Sarnia water white, 15c.; American water white, 16½c.; Pratt's astral, 16c., in bulk.

MARKET NOTES.

Grain scoops are scarce.

Scrap iron is 2c. and rubber ¼c. dearer.

The Globe File Co., Port Hope, Ontario, has recently received large orders for their files and rasps from New Zealand and South America. The company's "Crescent" brand is highly recommended as a cheap file.

PLANNING FOR CANADIAN TRADE.

Mr. S. G. Hobson, who is visiting Canada and the United States in the interest of Hardwareman and The Hardware Exporter, is in Toronto this week. In addition to looking after the interests of his own paper, Mr. Hobson is commissioned by several manufacturers in England to secure agents for their goods in Canada. He says the manufacturers in Great Britain seem anxious to do anything reasonable to comply with the wishes of the trade in Canada.

Mr. Hobson is favorably impressed with Canada and the Canadian people.

BUSY TOOL WORKS.

There is no better sign of prosperity throughout the country than the fact that manufacturers are busy. Among the busy manufacturing industries is that of James Warnock & Co., Galt. The plant of this firm has been running to its utmost capacity, in fact, running overtime, since the early spring, when the management of the business was assumed by Mr. Hayhurst, on the death of Mr. Warnock. The company finds that even now, during what is supposed to be the quiet season, it is next to impossible to keep up with orders. Galt is reputed

to be the busiest manufacturing town in Canada, and it certainly seems to be keeping up its reputation.

TORONTO CITY HALL ELEVATOR.

It will be remembered that when the first tenders for elevators for the new Toronto City Hall were opened by the Toronto Board of Control, they were considered too high in price.

It was decided to reduce the number of elevators from five to three, and, by changing the specifications, it was hoped to bring the cost down considerably. It was also decided at the meeting that electric elevators were to be specified for.

When, however, the second batch of tenders were opened, the price wanted was found to be relatively higher than at first, and again the specifications were altered in the hope of reducing the cost.

At the meeting of the board, on Monday, the new tenders were opened. Three tenders were received from The Sprague Electric Elevator Co., of Newark, N.Y., The Otis Electric Elevator Co., of Yonkers, N.Y., and The Portland Electric Elevator Co., of Portland, Me. The tender of The Sprague Company, at \$26,475 was the lowest, and was accepted.

But the difficulties are not over yet. The board's decision has to be ratified by the council, and the Toronto Trades and Labor Council, a body which always has considerable weight with the aldermen, has objected to the work being given to The Sprague Company, as it claims this concern does not treat its employes as it should. The Trades and Labor Council recommend the Otis Company, a "union" shop, should secure the contract.

DISPLAY YOUR GUNS.

The duck shooting open season commences on Thursday next, September 1, in Ontario, so now is the time to display your guns, powder, shot and shell, cartridge belts, gun bags, and all the accessories of this royal sport.

AGENTS WANTED.

ROBERT MARPLES & SON, SHEFFIELD, JOINERS' Tool and Garden Tool Manufacturers, require agents of first-class standing in Canada. (35)

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

... TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

Standard Goods—
Warranted.

Prices
Always
Right.



THE...
Globe File Mfg. Co.
Port Hope, Ont.

MANITOBA MARKETS.

WINNIPEG, Aug. 22, 1898.

HARVESTING is becoming more general. At many points wheat is being cut and barley and oats are already in stock. This has improved the demand for harvest tools, and sorting orders are occupying the attention of most hardwaremen at present. Building hardware is also moving freely, and the demand is for good, substantial finishings for all new buildings.

The Trust and Loan Co.'s new building on Portage avenue will soon be ready for occupation, while the building next to it on the corner of Fort and Portage avenue, which is being put up by an American syndicate, will soon have the foundation in and be ready for the walls.

The price list shows some very slight changes. White lead is now \$6.25, and horseshoes have dropped 10c. Business generally is steady and good. Wholesalers are really very busy, for, apart from the regular routine business, they are preparing for winter stocks. There is also quite a move in cartridges and guns and the like. Though, of course, it is rather early yet for any rush.

The cry for harvest hands is becoming general. The Government estimate of the men required for the harvest, outside of those already here, is 3,500. Ample provision seems to have been made for a supply, but they are required rather earlier than was anticipated, owing to the rapid and general ripening of the grain.

Price list for the week is as follows:

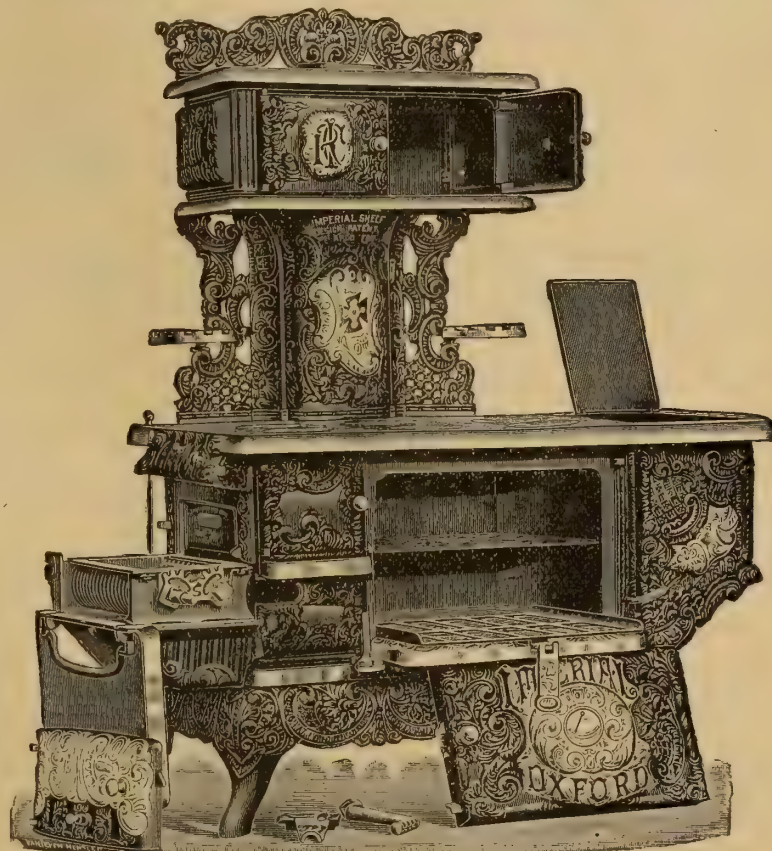
Barb wire, 100 lb.	\$2 40
Plain twist wire and staples.	3 00
Oiled annealed wire.	10 2 80
"	11 2 90
"	12 3 00
"	13 3 15
"	14 3 30
"	15 3 65
Green wire cloth, per 100 feet	1 40
Poultry wire, per 100 feet	55
Wire nails, 30 to 60 dy, keg.	2 40
" 16 and 20	2 45
" 10	2 50
" 8	2 55
" 6	2 70
" 4	2 80
" 3	3 00
Cut nails, 50 and 60 dy.	2 15
" 20 to 40	2 20
" 10 to 16	2 25
" 8	2 30
" 6	2 35
" 4	2 60
" 3	2 85
" 3 fine	3 05
Horse nails, 45 per cent. discount.	
Horse shoes, iron, light, medium and heavy, keg.	3 90
Snow shoes	4 15
Steel, light.	4 25
" extra light.	5 75
Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	
Tool steel, Black Diamond, 100 lbs.	8 00
Jessop	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 to 24 gauge	4 00
26 gauge	4 25
28 gauge	4 50

Genuine Russian, lb.	12
Imitation "	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge	7 50
28 gauge	8 50
Tin plate, 1C charcoal, 20 x 28, box	8 50
" IX	10 50
" IXX	12 50
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lbs	6 00
Broken lots.	6 50
Pig lead, 100 lbs.	4 25
Wrought pipe, black, 1/4 inch.	2 50
" 3/8 inch.	2 75
" 1/2 inch.	3 00
" 3/4 inch.	4 00
" 1 inch.	5 00
" 1 1/4 inch.	7 00
" 1 1/2 inch.	8 50
" 2 inch.	11 50
" Over 2 inch.	65 p.c.
Rope, sisal, 7-16 and larger.	12 00
" 3/8	12 75
" 1/4 and 5-16	13 25
Manilla, 7-16 and larger	13 50
Loaded shells, Robin Hood, M	\$18 00
Eley's 12 gauge, M.	16 00
American, M.	16 20
Shot, Ordinary, per 100 lbs	6 25
Chilled.	6 75
Powder, F.F., keg.	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed.	.70 and 30 p.c.
Granite ware, according to quality.	50 to 60 p.c.

A NEW AND IMPROVED RANGE.

EACH succeeding year brings to the front some improvement, some new development in cooking stoves and ranges, and this season is not lacking in new and progressive features.

A range that is about as near to perfection as possible is the "Imperial Oxford," a



Gurney's Imperial Oxford.

" 3/8	14 00
" 1/4 and 5-16	14 50
Cotton, all sizes, lb.	16
Axes, per box	\$5.50 to 8 00
Screws, flat head, iron	85 p.c.
Round "	77 1/2 p.c.
Flat " brass	80 p.c.
Round "	72 1/2 p.c.
Bolts, carriage	60 p.c.
Machine	60 p.c.
Tire	55 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	50 p.c.
Copper, No. 8, lb.	25c.
Spades and shovels	40 p.c.
Harvest tools	.60 to 60-10 p.c.
Axe handles, turned, s. g. hickory, doz.	\$2 50
No. 1.	1 50
No. 2.	1 25
Octagon extra.	1 65
No. 1.	1 25
Linseed oil, raw, per gal.	57
" boiled	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	25 p.c.
" military	15 p.c.
American R.F.	35 p.c.
C.F. pistol	5 p.c.
C.F. military	Net
production of The Gurney Foundry Co., Limited, Toronto, a cut of which is herewith given. It has some extremely valuable features.	

It will be noted that it has a very large square oven, the No. 9 being 20 x 20 x 13. It has a draw-out oven grate. Each oven door is fitted with a thermometer. The reservoir is about twice the usual size; it is fitted with patent draw-out front duplex grates, so that when this range requires repairs, new grates, etc., it is not necessary to disturb or misplace the fire linings in any way.

It is one of most beautifully carved and designed stoves on the market, the ornamentation conforming to the most modern style of stove architecture.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

NORMAN McLEOD, general merchant, Charles Cove, Nova Scotia, is offering to compromise at 50 cents on the dollar.

H. P. Bruyere & Co., dealers in oils, Montreal, have assigned.

Sylvester Morrow, sawmill, Wiarton, Ont., has assigned to N. M. Moore.

R. J. Tinning, general merchant, Regina, Man., has assigned to W. S. Rough.

Graham, Horne & Co., lumber dealers, Fort William, Ont., have assigned to C. C. Abbott.

John Butler, manufacturer of bricks, Waterford, Ont., has assigned to O. H. Duncombe.

A meeting of the creditors of Wm. Bellingham, coal dealer, Montreal, will be held on the 29th inst.

John J. Griffith has been appointed provisional liquidator of the W. R. Gardner Tool Co., Sherbrooke, Que.

Douglas Bros., galvanized iron works, Toronto, have assigned to E. R. C. Clarkson, Toronto, and a meeting of their creditors will be held on the 30th inst.

PARTNERSHIPS FORMED AND DISSOLVED.

Lariviere & Dube, lumber dealers, etc., Montreal, have dissolved.

Fortin & Co., wood and coal dealers, Montreal, have dissolved.

The Kootenay Contracting and Machinery Co., Kaslo, B.C., has dissolved.

Locke & Quinn, foundrymen, Liverpool, Que., have dissolved, J. E. Locke retiring.

SALES MADE AND PENDING.

J. Gaston Rabule has registered proprietor of Contant & Co., painters, Montreal.

The Bailey Cutlery Co., Limited, of Brantford, Ont., has been incorporated.

The stock of Hector Hudson, general merchant, St. Angele, Que., has been sold.

Albert Abbott, blacksmith, Thorndale, Ont., has been succeeded by J. D. Salmon.

Wm. M. Reid, harness dealer, Amherst, N.S., has sold out to Alexander J. Townsend.

C. H. Clements, general merchant, Liverpool, N.S., is advertising his business for sale.

The business of the late J. C. Dill, Wartburg, Ont., is advertised for sale by the administratrix.

Eugenie Desrosier has registered as proprietor of O. Desrosier & Co., founders, Fraserville, Que.

The business of the estate of R. A. Cook, tinware dealer, etc., Watford, Ont., is advertised for sale by the assignee.

The stock of D. McIntosh, general merchant, Dauphin, Man., has been sold to T. Finkelstein, at 70c. on the dollar.

The Marine Railway Co., Limited, Esquimalt, B.C., has been succeeded by The British Columbia Marine Railway Co.

Marie A. Crevier, wife of Jos. Deguire, has registered proprietress of the firm of J. L. Deguire & Co., wood and coal dealers, Montreal.

CHANGES.

Freeman Small, general merchant, Tiverton, N.S., has registered consent for his wife, Lizzie Small, to do business in her own name.

FIRES.

John Roney, blacksmith, Colborne, Ont., has been burned out.

John Palmer, harness dealer, Vankleek Hill, Ont., has been burned out.

Lequimme & Powers, sawmillers, Midway, B.C., have suffered loss by fire.

D. J. Jamieson & Son, general merchants, Vankleek Hill, Ont., has been burned out.

The premises of T. P. Cairney, blacksmith, Edmonton, N.W.T., have been destroyed by fire.

Wm. Fortune, saloon and sawmill owner, Tranquille, B.C., has suffered loss by fire estimated at \$8,000; insured at \$3,000.

DEATHS.

Robert W. Cillis, blacksmith, Cornwall, Ont., is dead.

Murdock McPherson, general merchant, Mabou, N.S., is dead.

A. N. Cunningham, general merchant, Antigonish, N.S., is dead.

WALLACEBURG, ONT., BUSY.

Extensive repairs are now going on at the glass works. Both the amber and the green tanks have been rebuilt and are now ready for the season's work. In addition to this a new addition is being erected, or, in fact, it might be called a new factory on a small scale, being a separate building apart from the main factory, for the purpose of making flint glass. The building is 80 x 60, and will have nine pot furnaces, as also sufficient layers for tempering the output.

The Wallaceburg Herald says that this large addition to the glass factory, the new evaporating factory, and the fact that the flax mill has enough material to run steadily until spring, will provide an unusual amount of work through the fall and winter. There have been very few idle men in town this summer, and it is not likely that any man who is really looking for work this fall will be unable to find it.

Our exports during the first seven months of this year show a decrease of \$6,313,847 as compared with the corresponding period of last year, while our imports have increased by \$10,538,224 — London, Eng., Daily Mail.

TORONTO FAIR

**WE
ARE
TOO
BUSY
TO
EXHIBIT
THIS
YEAR
BUT
WE
INVITE
ALL OUR
CLIENTS
CUSTOMERS
AND
FRIENDS
TO CALL
AND
MAKE
USE
OF OUR
CENTRAL
OFFICES
AT
NINETY
BAY
STREET
TORONTO.**

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THE
CANADA PAINT COMPANY
Limited

90 BAY STREET
TORONTO, ONTARIO.

Headquarters for the Hardware and Paint
and Oil Trade.



VanTuyt & Fairbank

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Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.

The Ontario Mercantile Agency

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18 Wellington Street East, TORONTO.

Collects accounts anywhere. Fees for current accounts 10 per cent. of amount collected. No fee less than \$1. Prompt returns. Report to you monthly. References given. Try us.

The Portland Rolling Mills Co., Limited

Manufacturers of

Refined Bar Iron

Railway Spikes

Pressed Spikes

Nails and Tacks

"Diamond" Brand Horse Shoes

ST. JOHN, N.B.

PARIS ELECTRO PLATING CO.

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings, Piano Stool Feet, Novelties, etc. Bicycle Work a specialty. Special attention given to Job Work of all kinds in Brass and Nickel Plating.

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.



Write today for a free copy of our interesting books "Inventors Help" and "How you are swindled." We have extensive experience in the intricate patent laws of 50 foreign countries. Send sketch, model or photo for free advice. **MARION & MARION**, Experts, New York Life Building, Montreal, and Atlantic Building, Washington, D. C.



**"JARDINE"
TIRE UPSETTERS
WILL UPSET TIRES**

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

**A. B. JARDINE & CO.
HESPELER, ONT.**

HARDWARE DEALERS' MAGAZINE

Largest Circulation in its field in the World

One Dollar
a Year.

D. T. MALLETT, Publisher
271 Broadway, New York

Specimen
Copy upon
Request

BUFFALO BILL *Axe*

IS LEADING THIS SEASON

Where Quality Counts

NO EDGE TOOLS CAN COMPETE WITH OURS—SPECIFY "WARNOCK'S."

JAMES WARNOCK & CO., GALT

Henderson & Potts

NOVA SCOTIA PAINT AND VARNISH WORKS.

Sole Agents for the Dominion for



HALIFAX, N. S., and 747 CRAIG STREET, MONTREAL.

The success of '98.

Clevelands

The highest type of that which is desirable
in cycle construction.

\$55.00 \$70.00 \$80.00
30-Inch wheels, \$100.00

Agents everywhere.

Write for Catalogue.

H. A. LOZIER & CO., Toronto Junction

HEATING AND PLUMBING

THE PLUMBING SCHOOL.

THE members of the Montreal branch of the Master Plumbers' Association, with commendable enterprise, and help from the Provincial Government, conceived the idea, a few years ago, of giving apprentices under their charge a more thorough knowledge of the business, with the result that a class was organized.

Owing to the successful results accomplished last year, it was deemed advisable to start the coming term on October 1, one month earlier than usual.

The class has been arranged for apprentices, journeymen and foremen engaged in any of the branches of plumbing. The schoolroom is equipped for about 75 pupils, each pupil having a gas furnace for melting solder and a drawer for holding tools.

Instruction is given on such subjects as lead bossing, pipe bending, soldering and wiping joints, lead burning, water closets and their fittings, water waste preventers, baths, lavatories and sinks, traps, soil pipes, connection of drain sewer, ventilation of soil pipes and drains, sizes of pipes, etc., water supply house cisterns, the use of tools, etc. The teacher gives questions on the black-board, which are answered by the pupils in writing. These are examined, corrected, and returned to the pupils. The materials used are supplied free.

The class is held in the old St. Gabriel street church, corner of St. Gabriel and St. James streets, every Monday and Friday, and is open to any member of the trade in Canada. Those desiring to join will see the announcement of the opening of the school, with further particulars, in one of the September issues of *HARDWARE AND METAL*.

PLUMBING IN OTTAWA.

The Master Plumbers and Plumbers' Union, of Ottawa, have appointed a committee to interview the council and learn why the plumbing by-law passed in 1893 has not been enforced. The by-law calls upon every master plumber to take out a license at \$2 per year, and to give a bond of \$200 as a guarantee of good work; the license fee for journeymen plumbers is 25c. It is claimed that the health of the citizens has suffered because of defective plumbing work done by incompetent and irresponsible firms, and the council will be urged to enforce the law for the future, and to incorporate in it a provision that iron pipe in houses should be carried through the foun-

dation and protected by a stone arch, so that when the foundation sets the drain still remains unimpaired.

DEATH OF W. M. BRIGGS.

WE regret to have to announce the death of W. M. Briggs, which occurred at his residence in Montreal on Aug. 21. Mr. Briggs, owing to the active part he took in association matters, was well known to the members of the



W. M. BRIGGS.

plumbing trade from one end of the Dominion to the other, and had many friends connected with the craft in the United States. He was one of the founders and first secretary of the Montreal local association. He also filled the office of treasurer in the Dominion association. He had been ill for some time, and bore his sufferings with Christian fortitude and resignation, death finally releasing him at the early age of 48 years.

Mr. Briggs had been in business many

years, and fulfilled many large contracts. He was a prominent Mason, a Knight of Pythias, an enthusiastic curler, and was ever ready to lend a helping hand for the advancement of anything of a benevolent or social nature. His friends (and their name is legion) will miss his genial presence, hearty greeting and strong and friendly grip. He leaves a widow to mourn his loss, but no family. The Master Plumbers' Association of Montreal, at a special meeting, passed resolutions of regret and condolence, and attended the funeral in a body.

PLUMBERS' CONVENTION REPORT.

The executive committee of the National Association of Master Plumbers, Gas, Steam and Hot Water Fitters have issued the report of the convention held in Quebec on June 29 and 30 last. Copies of the report will be sent to the members in a few days.

The report contains a full report of the convention, the resolutions adopted at the Toronto convention in 1897, the constitution and by-laws of the association, a list of the officers now holding office, with photographs of Jos. Wright (past-president), Wm. Smith (president), J. W. Harris (vice-president), and W. H. Meredith (treasurer).

INFERIOR SOIL PIPE.

At the regular meeting of the Montreal branch of the Master Plumbers' Association, held on the 18th inst., an interesting discussion took place regarding the soil pipe question, which has been a live issue for some time, owing to the fact that certain American firms are introducing inferior qualities of soil pipe into Canada to the detriment of superior home manufacture.

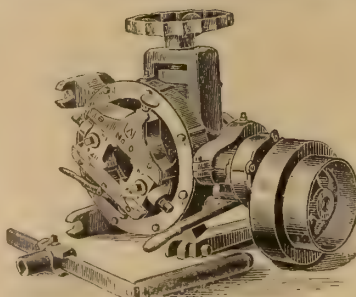
It was resolved to communicate with the executive of the American Association to see what can be done about the matter. In the meantime, the opinion was unanimous that home manufacture should be encouraged in every way possible.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.



No. 0 Threading Machine, with power attachment.

THE ARMSTRONG MFG. CO.

New York Office,
139 Centre Street

Bridgeport, Conn.

PLUMBING AND HEATING CONTRACTS.

LESSARD & HARRIS, Montreal, have the contract for the plumbing of St. Jean Baptiste Church, Rachel street.

W. J. Walsh, Hamilton, has the contract for the plumbing for an addition to the Hamilton Registry Office.

Lesperance & Terriault, Montreal, have the contract for supplying the hot water service for Longue Pointe Asylum.

Purdy & Mansell, Toronto, have contracts for the steam heating of the Roman Catholic church in Brechin, and for the plumbing of M. Staunton & Co.'s factory on Yonge street.

The Bennett & Wright Plumbing and Heating Co., Limited, Toronto, has contracts for the heating of a large business block in Belleville, for the Holton estate; for the heating and plumbing of a large residence on the Lake Shore road for F. B. Featherstonehaugh, Toronto; for the plumbing and heating of a residence on Breadalbane street for John Catto, jr., and for the heating, plumbing and lighting of the residence to be built on Bloor street for A. S. Vogt, Toronto.

Carroll Bros., Montreal, have the following contracts on hand: The plumbing, heating and lighting of Capt. Matthews' residence, corner of Dorchester and Ann streets; the plumbing and heating of the Hayes block, Craig street, consisting of two stores and a dwelling; the plumbing, heating and overhauling of four houses for Mr. Kearns; the overhauling of St. Antoine street Presbytery, and the plumbing and heating of the Dominion Express stables.

Blouin, Deforges & Latourelle have the following contracts on hand: The plumbing and heating for Loyola College, Drummond street; the plumbing and heating of the dwelling of Mr. Pigeon; the plumbing and heating of The Granby Rubber Co.'s premises, Granby, Que.; the plumbing and heating of the residence of J. McKechnie, Granby, Que., and the heating of a large greenhouse at Cote des Neiges, size 300 x 70 feet.

PLUMBING AND HEATING NOTES.

The Sunlight Gas Co., Limited, Montreal, has been incorporated.

The Eastern Townships Light, Power and Carbide Co., North Hatley, Que., has been incorporated.

W. G. Ritchie, Toronto, has the contract for the plumbing and hot water heating of a house on Spadina road for N. B. Gash, Toronto.

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto to A. S. Vogt, for a two-storey and attic dwelling on the south side of Bloor street between St. George and Huron streets; to the Toronto Glass Co., Limited, for a two-storey brick factory, to cost \$1,700, and a one-storey wooden factory, to cost \$2,700, on Blair avenue near Abel street; to Mrs. E. Young, for two three-storey and attic brick and stone stores at 152 and 154 Queen street east, to cost \$3,000; to Mrs. M. A. Schwolmn, for three attached two-storey and attic dwellings at 5, 7 and 9 Leonard avenue, to cost \$2,700; to H. C. Scadding, for a two-storey and attic dwelling on the north side of Bloor street near Avenue road, to cost \$4,000; to the Canadian Bank of Commerce, for a three-storey and attic brick bank at the northwest corner of Bloor and Yonge streets, to cost \$12,000.

The firm of R. Mitchell & Co., Bluery street, Montreal, have disposed of the plumbing branch of their business to Mr. Atchison.

THE GUELPH ACETYLENE GAS CO.

Invite the Hardware and Plumbing Trades to inspect their New Machine at the Industrial—Stove Building—right side—near the entrance.



SEALD TENDERS addressed to the undersigned, and endorsed "Tender for Superstructure Edmonton Bridge," will be received at this office until Tuesday, 13th September next, for the construction of the superstructure of a railway and general traffic bridge at Edmonton N.W.T., according to plans and a specification to be seen at the office of F. K. Gibson, Esq., Town Clerk, Edmonton; at the office of W. T. Gouin, Resident Engineer Winnipeg; at the office of C. Desjardins, Clerk of Works, Post Office Building, Montreal, and at the Department of Public Works, Ottawa.

Tenders will not be considered unless made on the form supplied and signed with the actual signatures of tenderers.

An accepted bank cheque, payable to the order of the Minister of Public Works, for seven thousand dollars (\$7,000 00), must accompany each tender. The cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order, E. F. E. ROY,
Secretary.

Department of Public Works,
Ottawa, August 12th, 1898.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (35)

The Toronto Patent Agency

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CAPITAL = \$25,000

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General Patent Agents in procuring Home and Foreign Patents and all matters pertaining to Patents and Patent Causes, also the buying and selling of Patents, and the Organizing and promoting of Joint Stock Companies. List of 500 inventions wanted and list of Canadian Patented inventions for sale, mailed to any address free, address

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**HEINTZ
STEAM
SAVER**

Engineers' and Plumbers' Supplies

**JMT
VALVES**

**The Jas. Morrison
Brass Mfg. Co.
Limited
Toronto**

HEADQUARTERS for

Syracuse Babbitt Metal, Plumbers' and Tin-smiths' Solder, Pig Tin, Pig Lead, Ingot Copper, Ingot Brass, Phosphor Tin and Aluminum.

SYRACUSE SMELTING WORKS

**Factory: 332 William Street
MONTREAL**

All kinds Scrap Metal taken in exchange.

Factory: SYRACUSE, N.Y.

HEATING BUILDINGS BY WARM AIR.

THOSE engaged in the business of heating with hot air furnaces will be interested in the following extracts from an article by J. J. Blackmore, which is reprinted from The Engineering Magazine :

Some manufacturers advocate large fire pots, others deep fire pots ; some use a comparatively small amount of heating surface over the firepot, and claim that highly heated surfaces do not have a detrimental effect on the air, while others claim that large surfaces over the fire pot give the best results. A careful comparison will show that the best and most expensive furnaces of all reputable makes have a heating surface definitely proportioned to the size of grate, and that the proportion of heating surface is larger than it is in cheaper grades of heaters. This indicates that large surface areas for the air to impinge upon have been found advantageous. All manufacturers are not agreed on this point, however. It is a somewhat difficult task for the lay mind to determine which of the various kinds is the best. Without trying to settle the question, I will describe the conditions under which a furnace has to perform its work and how the heat it gives off may be utilized. The first task of the furnace is to burn the fuel properly—i.e., it must have a chamber where the various elements in the fuel and air may be united to produce combustion. This function of the furnace has a much greater importance than is usually ascribed to it, and, as a result, losses from imperfect combustion are frequent. In the burning of fuel rather more than two-thirds, under certain conditions, may be burned to carbonic oxide, an intermediate product of combustion ; and, unless this gas can be further converted into carbonic acid, most of the heat which the fuel might have developed goes up the chimney with the smoke. Carbonic oxide is a combination of one part oxygen with one part carbon, usually written CO. The addition of one part of oxygen will complete the combustion and develop all the heat which the fuel can yield. If the draft of a furnace is poor, or if the fire pot, or combustion chamber, is too small, enough oxygen will not be brought into contact with fuel, or gases, to enable them to give off the heat that is in them ; hence it is important that a good chimney flue should be provided, and that the furnace-room should be properly supplied with air. The furnace should have a space above the fuel at least three times as large as the fire pot, to allow the gases room for combustion. The size of chimney required depends, of course, on the size of the house, but a furnace should not be connected to a flue less than 8 x 12 inches, and

houses containing more than 20,000 feet of space should have larger flues.

In a pound of the average grade of anthracite coal there are about 14,000 units of heat (1 unit is the amount of heat necessary to raise 1 pound of water from 60 to 61 degrees F.). In burning to carbonic oxide (CO) from 4,000 to 4,500 units only are given off ; the rest may all be lost through the fault of a poor draft or a badly constructed furnace.

If a furnace is constructed with a large fire pot and only a small amount of heating surface above it a large portion of the heat will be wasted (no matter how perfect the combustion may be), for the reason that the air, coming into contact with the outer surfaces, cannot carry off the heat as rapidly as it is generated, and the surplus escapes up the chimney.

We will now consider how the heat is taken up by the air as it comes into contact with the heated surfaces of the furnace. One thousand cubic feet of air at the temperature of zero weigh 86.4 pounds, and, as the specific heat of air is 0.238 and the temperature of the air delivered through the registers should be 140 degrees, there would be absorbed by 1,000 cubic feet 2,878.4 units of heat, as follows : $a \times b \times c \times d = x$, in which a represents 1,000 cubic feet of air at zero, b the weight of a cubic foot at zero, 0.08641 ; c the specific heat of air, 0.238 ; d the number of degrees to which the air is heated, 140 ; and x the heat units absorbed by 1,000 feet of air. To change three times an hour the air content of a house having a capacity of 20,000 cubic feet absorbs in zero weather 172,704 units of heat, equal to 12.33 pounds of coal per hour, presuming no waste of heat. But even in well constructed furnaces there is a loss of 25 per cent. ; hence, it would be necessary to burn 16.44 pounds of coal per hour to do this amount of work in zero weather. As a fire burns actively for 16 hours, and at one-half its capacity for eight hours in the 24, we have 20 hours at the rate of 16.44 pounds per hour, or a consumption of 328.8 pounds per day, or, again, very nearly one ton of coal in six days.

Taking the average winter temperature in the northern portion of the United States as 40 degrees, it would be necessary to heat the air 60 degrees, requiring $6\frac{1}{2}$ pounds of coal per hour, or, for 200 days, 13 tons of coal.

Promptness is the mother of confidence and gives credit. It is the best possible proof that our own affairs are well ordered and well conducted, and gives others confidence in our ability. The man who keeps his time (i. e., is punctual), as a rule, will keep his word.



SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for Tubular Boilers for the Western Block, Ottawa," will be received at this office until Tuesday the 6th of September, 1898, for the supplying and placing of 4 tubular boilers, in the Western Block, Ottawa.

Plans and specifications can be seen at the Department of Public Works, Ottawa, and tenders will not be considered unless made on the form supplied and signed with the actual signatures of tenderers.

An accepted bank cheque, payable to the order of the Honourable the Minister of Public Works, equal to ten per cent. of amount of tender, must accompany each tender. This cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,
E. F. E. Roy,
Secretary.

Department of Public Works,
Ottawa, Aug. 23rd, 1898.

Newspapers inserting this advertisement without authority from the Department will not be paid for it.
(36)

"Tandem" Anti-Friction Metal

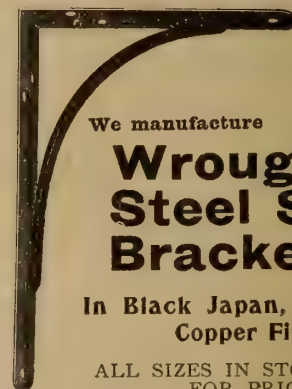
suitable for all purposes.



- A For heavy pressure and high speed.
- B For medium pressure and high speed.
- C For low pressure and highest speed.

If your dealer does not carry this line, order direct from

Lamplough & McNaughton
Montreal



We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and Copper Finish.

ALL SIZES IN STOCK. SEND FOR PRICES.

H. R. IVES & CO., Montreal.



"BUILD TO-DAY THEN,
STRONG AND SURE.
WITH A FIRM AND
AMPLE BASE."
—Longfellow.

DO YOU?

WISH THUS TO BUILD
an advertisement
in the
**CONTRACT-
RECORD,**

TORONTO
will bring you
tenders from the
best contractors

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

MONTREAL, QUE.



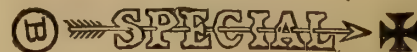
WADE & BUTCHER,
SHEFFIELD, ENGLAND.



OR



OR



FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY and FANCY GOODS

JAMES HUTTON & CO., Agents, - - - Montreal

CURRENT MARKET QUOTATIONS.

Aug. 25, 1895

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—
56 and 23 lb. ingots, per lb. 0 00 0 19
Straits 0 00 0 18½

Tin Plates.

Charcoal Plates—Bright.

M.L.S., equal to Bradley. Per box.
I.C., usual sizes \$5 00
I.X., " 6 25
I.X.X., " 7 50
J. R. & Co.—
I.C. 4 75 5 00
I.X. 6 00 6 25
I.X.X. 7 25 7 50
Famous—
I.C. 5 00
I.X. 6 25
I.X.X. 7 50
Raven & Vulture Grades—
I.C., usual sizes 3 50
I.X., " 4 25
I.X.X., " 5 00
D.C., 12"x17 3 00
D.C., " 3 75
D.X., " 5 75
NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Bessemer Steel—
I.C., usual sizes 3 00
I.C., special sizes, base... 3 15
20x28 6 00 6 25

Charcoal Plates—Terne.

Dean or J. G. Grade—
I.C., 20x28, 112 sheets 6 00
I.X., Terne Tin 7 50
I.C., Orion 6 00
I.X., Orion 7 25 7 50

Charcoal Tin Boiler Plates.

Cookley Grade—
X X, 14x56, 50 sheet bxs }
" 14x60 " } 0 05¼ 0 06
" 14x65, " }

Tinned Sheets.

72x30 up to 24 gauge 0 05¼ 0 06
" 26 0 06¼ 0 06½
" 28 0 07 0 07¼

Iron and Steel.

Common Bar, per 100 lbs 1 50 1 60
" from factory 1 40 1 45
Refined " 1 80
Horse Shoe " 1 85 2 00
Band " 00
Hoop " 4 00 4 25
Swedish " 2 50
Sleigh Shoe Steel " 2 50
Tire Steel 0 10 0 14
Machinery 0 12 0 14
Cast Steel, per lb 0 10½ 0 11
Thos. Firth & Sons' Cast Steel 2 00 2 25
Tank Plates, 1-5 and thicker 4 50 5 00
Boiler Rivets

Boiler Tubes.

1½-inch 0 06¼
2 " 0 07¼
2½ " 0 09¼
" 0 11

Steel Boiler Plate.

16 inch 2 00
" 1 90

¾ inch and thicker 1 75

Sheet Iron.

16 gauge and heavier 2 50 2 70
18 to 20 gauge 2 25 2 50
22 to 24 " 2 25 2 35
26 " 2 35 2 45
28 " 2 45 2 55

Canada Plates.

All dull, 52 sheets 2 25
Half polished 2 35
All bright 3 00

Iron Pipe.

Wrought pipe, per 103 feet, ¼ to ¾ inch,
\$2 to \$2.05; ½ inch, \$2.15 to \$2.20; ¾ inch,
\$2.62½; 1 inch \$3.60; 1¼ inch, \$4.75; 1½ inch
\$6.20; 2 inch, \$8.30.

Galvanized, ½ inch, \$3.50 to \$3.81; ¾ inch,
\$4.20 to \$4.60; 1 inch, \$5.85 to \$6.21; 1¼ inch,
\$8.05 to \$8.25; 1½ inch, \$11.00 to \$11.25.
Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p. c.

Galvanized Iron.

Comet. Gordon. Queen's
16 gauge 3 75 3 75
18 to 24 gauge 3 25 3 50 4 00
I.X. 3 50 3 75 4 20
28 " 3 75 4 00 4 45

Chain.

Proof Coil, 3-16 in., per 100 lbs 4 65
" 5-16 " " 3 75
" ¾ " " 3 25
" 7-16 " " 3 15
" ½ " " 3 10
" 3/8 " " 2 80
" ¼ " " 2 75
Trace, per doz. pairs 3 60 2 75
German coil, per 100 ft. 1 65 2 70
Jack chain, iron, single, per
doz. yards 0 13 0 50
Jack chain, double, per doz.
yards 0 15
Jack chain, brass, single, per
doz. yards 20 10

Copper.

Ingot.
English B. S., ton lots 0 12¼ 0 13
Lake Superior
Cut lengths, round, ½ to ¾ in.
round and square
1 to 2 inches 0 19½ 0 20

NOTE.—Complete, lengths about 15 feet
from 18½ to 19 cents a pound.

Sheet.

Untinned, 14 oz., and light, 16
oz., 14x48 and 14x60 0 15 0 16
Untinned, 14 oz., and light, 16
oz., irregular sizes 0 15 0 16¼
NOTE.—Extra for tinning, 2 cents per
pound, and tinning and half planishing 3
cents per pound.
Planished and tinned, 14x48
and 14x60 0 25 0 27
" Braziers. (In sheets.)
4x6 ft. 25 to 30 lbs. ea., per lb. 0 17 0 19
" 35 to 45 " " 0 15½ 0 16¼
" 50-lb. and above, " 0 15 0 16

Boiler and T. K. Pitts.
Plain Tinned, per lb 0 21
Spun, per lb 0 25

Wire.

Pure, in coils—
From 1 to 20 gauge, 12½ p. c. off list.
From 20 gauge up, 12½ p. c. off list

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 30 p. c.
off list.
Sheets, hard-rolled, 2x4 18 0 20
Tubing, base, per lb 0 20 0 22

Zinc Spelter.

Foreign, per lb 0 05 0 05¼
Domestic " 0 06

Zinc Sheet.

5 cwt. casks 0 05¼ 0 06
Part casks 0 06

Lead.

Imported Pig, per lb 4 to 4¼
Domestic, per lb 0 03½ 0 05
Bar, 1 lb. sq. ft., by roll. 0 05½ 0 06
Sheets, 3 to 6 lbs., per sq. ft.,
by roll. 0 05 0 05½

NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists
at 7 cents per lb. and 27½ per cent. discount.

NOTE.—Cut lengths, net price, waste pipe.
in 8-ft. lengths, lists at 7½ cents.

Solder.

Bar half-and-half Per lb. Per lb.
Standard 0 12 0 12½
Wire 0 11½ 0 12
NOTE.—Prices of this graded according to
quantity. The prices of other qualities of
solder in the market indicated by private
brands vary according to composition.

Antimony.

Cookson's, per lb 0 10¼ 0 11
Other makes, per lb 0 08 0 08½

White Lead.

Pure, Assoc. guarantee, ground in oil,
25 lb. irons 5 cwt.
No. 1 do 5 37½
No. 2 do 5 00
No. 3 do 4 62½
No. 4 do 4 25
Munro's Select Flake White 6 00
Elephant and Decorators' Pure 5 75
Brandram's B. B. Genuine 7 75
James genuine 6 95
No. 1 6 45
No. 2 6 45

White Zinc Paint.

Elephant Snow White 0 07
Pure White Zinc 0 07
No. 1 0 06¼
No. 2 0 05½

Dry White Lead.

Pure, casks 0 04¼
Pure, kegs 0 04¼
No. 1, casks 0 04¼
No. 1, kegs 0 04¼

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)
Pure, per gallon 1 00
Second qualities, per gallon 0 90
Barn (in bbls.) 0 70 0 90
The Sherwin-Williams Paints 1 20
Canada Paint Co's Pure 1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)
Venetian Red, per lb 0 07
Chrome Yellow 0 11
Golden Ochre 0 06
French 0 05
Marine Black 0 09
Green 0 09
Chrome 0 08
French Imperial Green 0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per
cwt 1 35 1 40
Yellow Ochre (J. F. L. S.), bbls.
per cwt 2 75
Yellow Ochre (Royal), per
cwt 1 10 1 15
Brussels Ochre 2 00 2 00
Venetian Red (best), per cwt. 1 80 1 90
English Oxides, per cwt. 3 00 3 25
American Oxides, per cwt. 1 75 1 90

Canadian Oxides, per cwt. 1 75 1 90

Burnt Sienna, pure, per lb. 0 10

Umber, " 0 10

do. aw 0 09

Drop Black, pure 0 09

Chrome Yellows, pure 0 18

Chrome Greens, pure, per lb. 0 12

Golden Ochre 0 03¼

Ultra marine Blue in 28-lb.
boxes, per lb. 0 08 0 24

Fire Proof Mineral, per 100 lb. 1 00

Genuine Eng. Licharge, per lb. 0 07

Mortar Color, per 100 lb. 1 25

James' Gen. Red Lead, 100 lb. 0 04¼

Pure Indian Red, No. 45, lb. 0 08

Whiting, per 100 lb. 0 50

Paris Green.

Pure, in bbls. 0 16¼
250 lb. casks 16½
50 lb. drums 17
1 lb. packages 18
¾ lb. " 19½
1-lb. tins 21¼

Sulphate of Copper.

Casks, for spraying, per lb. 0 04¼

100-lb. cases, do. per lb.

Putty.

Bladders in bbls. 1 80
Bladders in 100 or 200 lb. kegs or bxs 1 95
Bulk in bbls., per 100 1 65
Bulk in less quantities 1 80
25-lb. tins, 4 in case 2 05
12½-lb. tins, 8 in case 2 30
Quotations f.o.b. Toronto—10c. per 100 lbs.
extra Hamilton, London, Guelph.

Varnishes.

(In bbls.) per gal
Carriage, No. 1 1 50
Extra do. 2 50
Body Varnish 4 50
Furniture Varnish 0 65
Extra do. 0 90
Denar Varnish 1 60
Hard Oil Finish 1 40
Orange Shellac Varnish 2 00
White Shellac 2 20
Rubbing Varnish 2 50
Polishing Varnish 2 50

Linseed Oil.

Raw, per gal. net 0 48
Boiled, per gal. net 0 51
Outside points lc. more than above figures

Turpentine.

1 to 4 barrels, net 0 45
Outside points lc. more

Castor Oil.

In cases, per lb 0 10¼

Small lots 0 11¼

Cod Oil, Etc.

Cod Oil, per gal. 0 50 0 55
Pure Olive 1 20
Neatsfoot 90

Glue.

(In bbls.)
Common 0 08½ 0 09
French Medial 0 12 0 12½
Cabinet, sheet 0 11 0 12
White, extra 0 16 0 18
Gelatine 0 22 0 30
Strip 0 16 0 18
Coopers 0 19 0 20
Al clear 0 09
Liquid Glue—F. LePage's, discount 20 to 25
per cent off list; Munn's, discount 25 to
30 per cent. off list.

HARDWARE.

Ammunition.

Cartridges.
R. B. Caps, Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p. c. Amer

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.		
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.		
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.		
Lead and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.		
Shot.		
Canadian, common, 7½ per cent.		
Brass Shot Shells, 55 and 10 per cent		
Primers, Dom., 30 per cent.		
Wads.		
Best thick white felt wadding, in ½-lb bags.	1 00	
Best thick brown or grey felt wads, in ½ lb. bags.	0 70	
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99	
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35	
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55	
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges.	0 20	
Thin card wads, in boxes of 1,000 each, 10 gauge.	0 25	
Thin card wads in boxes of 1,000 each 8 gauge		
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M.	
11 and smaller gauge	0 60	
9 and 10 gauges	0 70	
7 and 8 gauges	0 90	
5 and 6 gauges	1 10	
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—		
11 and smaller gauge	1 15	
9 and 10 gauges	1 40	
7 and 8 gauges	1 65	
5 and 6 gauges	1 90	
Anvils.		
Per lb.	0 10	0 12½
Anvil and Vice combined, each.	4 50	
Wilkinson & Co.'s Anvils. lb.	09	0 09½
Wilkinson & Co.'s Vices. lb.	09½	0 10
Augers.		
Gilmour's, discount 65 p.c. off revised list.		
Hollow Stearn's, per dozen	13 00	20 00
Adjustable Stearn's, each	4 50	6 50
Post-hole, Vaughan's, each	60	90
Excelsior, Jennings, discount 50 per cent.		
Awls.		
Sewing, per gross	0 65	1 59
Pegging, "	0 65	1 25
Brad, "	0 85	1 60
" handled, per gross	3 60	30
Saddler's, per gross	0 45	1 60
Awl Hafts.		
Patent Peg, per gross.	7 25	8 00
Sewing, per gross.		
Awl and Tool Sets.		
Millar's Falls, per doz.	2 80	3 30
AXES.		
Splitting Axes.	5 25	5 50
Chopping Axes—		
Single List, per doz.	6 00	12 00
Double List, "	11 00	18 00
Bench Axes, 40 and 10 p.c.		
Axle Grease.		
Per gross	6 00	13 00
Bath Tubs.		
Zinc, discount.	3 90	4 00
Copper, discount, 40 and 10 p.c. off revised list.		
Steel clad, 20 per cent. discount off revised list. Boxing extra		
Babbitt Metal.		
Magnolia Anti-Friction Metal, per lb.	25	
No Name Metal.	"	15
Mystic Metal.	"	10
F. O. B. New York or Chicago.		
Bells.		
Hand.		
Brass, 60 per cent.		
Nickel, 55 per cent.		
Door.		
Gongs Sargent's	5 50	8 00
" Peterboro', discount 50 per cent.		
Cow.		
American make, discount 66½ per cent.		
Canadian, discount 45 and 50 per cent.		
Farm.		
American, each	1 25	3 00
House.		
American, per	0 35	0 40
Bellows.		
Hand, per doz.	3 35	4 75
Minders, per doz.	7 50	10 00
Blacksmiths, discount 60 per cent.		
Belting.		
Extra, 45 per cent.		
Standard, 45 and 10 per cent.		
Agricultural, 60 and 10 p.c.		
Bench Stops.		
Per doz	5 00	8 00
Bits.		
Auger.		
Gilmour's, discount 65 and 5 per cent.		
Excelsior, discount 60 per cent.		
Rockford Common, 70 to 70 and 10 per cent.		
" Perfection, 50 and 10 per cent.		
Jennings' Gen., net list to 5 p. c. discount.		
Car.		
Gilmour's, 47½ to 50 per cent.		
Expansive.		
Clark's 40 per cent.		
Excelsior, 10 per cent.		

Gimlet.		
Clark's, per doz	0 65	0 90
Diamond, Shell, per doz.	1 00	1 50
Nail and Spike per gross	2 25	5 20
Blind Rollers.		
Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 90
Blind and Bed Staples.		
All sizes, per lb	7½	0 12
Bolts.		
Carriage, dis. 60 and 10 to 70 p.c.		
Tire, dis., 70 and 5 per cent.		
Stove dis., 70 per cent.		
Elevator, dis., 35 to 40 per cent		
Machine, dis., 70 p.c.		
Coach Screws, dis. 70 and 10 p.c.		
Plough bolts, 60 p.c		
Boring Machines.		
Complete, with augers, each.	5 00	7 50
Braces.		
Barber's	6 00	7 75
Barber's Ratchet	10 00	11 00
Farmers	2 00	2 75
Millar's Falls	15 50	29 00
Brackets.		
Shelf.		
Japanned Canadian, per doz.		
pairs	0 50	3 40
Berlin Bronze Canadian	0 85	3 20
Broilers.		
Light, dis. 65 to 67½ per cent.		
Reversible, dis., 65 to 67½ per cent.		
Vegetable, per doz., dis. 37½ per cent.		
Henis, No. 8, "	6 00	
Henis, No. 9, "	7 00	
Queen City "	7 50	0 00
Butchers' Cleavers.		
German, per doz.	6 00	11 00
American, per doz.	12 00	20 00
Butts.		
Brass.		
Wrought Brass, dis., 17½ p.c. revised list.		
Cast Iron.		
Loose Pin, dis. 70 per cent.		
Wrought Steel.		
Fast Joint, dis. 70, 10 and 5 to 75 p.c.		
Loose Pins, dis. 70, 10 and 5 to 75 p.c.		
Berlin Bronzed, dis. 70, 70 and 5 per cent.		
Gen. Bronzed, per pair	0 40	0 65
Can Openers.		
Acme, per gross.	9 00	10 00
Sardine Scissors, per doz	3 75	4 50
Card.		
Horse, per doz.	0 60	1 00
Carpet Stretchers.		
American, per doz	1 00	1 50
Bullards, per doz	6 50	
Carpet Sweepers.		
Bissell, per doz	22 50	
World, "	21 75	
Daisy, "	24 00	
Star, "	18 00	
Crown Jewel, per doz.	29 00	
Grand Rapids, "	24 00	33 00
Cartridges.		
(See Ammunition.)		
Castors.		
Bed new list, dis. 55 to 57½ per cent.		
Plate, dis. 52½ to 57½ per cent.		
Cattle Leaders.		
Nos 31 and 32, per gross.	8 50	9 50
Cement.		
Canadian, Portland.	2 50	
English "	2 85	
Belgium "	2 75	
Canadian hydraulic	1 20	
Figures are for barrel lots.		
Chalk.		
Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red	0 05	0 06
Crayon, per gross	0 14	0 18
Chisels.		
Socket, Framing and Firmer.		
American, dis. 75 per cent.		
Canadian, dis. 40 and 5 per cent.		
Tanged firmer, per doz	0 85	4 00
Churns.		
Daisy or Leader, dis. from stock or factory		
60, 10 and 5 per cent.		
Clamps.		
Judd's, dis. 20 per cent.		
Stearn's, per doz	3 00	10 00
Clips.		
Axle, dis. 65 per cent.		
Closets.		
Washout, plain	3 25	
" embossed	3 50	
Coffee Mills.		
Box	3 60	13 00
Side	3 60	4 00

Enterprise, No. 0	1 35	
" No. 2	70	
Compasses, Dividers, Etc.		
American, dis. 62½ to 65 per cent		
Cradles, Grain.		
Canadian, dis. 20 per cent.		
Dies.		
Hart Mfg. Co. (pipe es), (Amer. list), dis. 40 per cent.		
Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.		
Door Springs.		
Torrey's Rod, per doz.	15 p.c.	2 00
Coil, per doz	0 88	1 60
English per doz.	2 00	4 00
Draw Knives.		
American, dis. 70 and 10 per cent.		
Canadian, dis. 25, 50 and 10 per cent.		
Drills.		
Hand and Breast		
Millar Falls, per doz.	16 00	51 50
P. S. & W., dis. 40 per cent.		
DRILL BIT.		
orse, dis. 37½ to 40 per cent.		
Standard, dis. 50 and 5 to 55 per cent.		
ELBOWS.		
Stovepipe.		
Per doz	85	1 70
FAWCETS.		
Cork Lined, per doz.	0 30	0 35
Wine, per doz.	1 30	3 25
Star,	2 80	3 90
Fenn's Corkstops, No. 2, per dozen	1 70	
Petroleum, per doz.	4 50	6 50
FILES AND RASPS.		
Globe File Mfg. Co.'s dis., files and rasps, 60 and 10 to 70 per cent.		
Toronto File Co.'s dis., files and rasps, 60 and 10 to 70 per cent.		
Black Diamond, 50 and 10 to 60 per cent.		
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.		
Nicholson File Co., 50 and 10 to 60 per cent.		
Heller's Horse Rasps, 50 to 50 and 5 per cent.		
Jowitt's, English list, 25 to 27½ per cent.		
American, 60 to 60 and 5 per cent.		
Great Western, 60 and 10 per cent.		
Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.		
FLUTING MACHINES.		
Each	0 60	2 00
FORKS.		
Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.		
FREEZERS		
Ice Cream.		
Gem from \$1.25 to \$7 net.		
White Mountain, 1 to 25 qt.	1 35	13 50
Arctic, dis. 50 p.c.		
FRUIT PRESSES.		
Henis, per doz.	3 25	3 50
Shepard's Queen City, dis. 15 per cent.		
FRY PANS.		
Acme, dis. 65 to 67½ per cent.		
GAUGES.		
Marking, Mortise, Etc.		
Stanley's, dis. 50 to 55 per cent.		
Wire Gauges.		
Winn's, Nos. 26 to 33, each.	1 65	2 40
GLASS.		
Window.		
Box Price.		
Star.		
Double Diamond.		
Size United Inches.		
Under 25	1 60	3 00
26 to 40	1 75	3 30
41 to 50	3 70	4 85
51 to 60	4 00	6 25
61 to 70	4 30	7 30
71 to 80	4 70	7 85
81 to 85	5 25	8 85
86 to 90		10 30
91 to 95		11 70
96 to 100		13 75
101 to 105		15 70
106 to 110		
GLUE POTS.		
Tinned, each	0 30	
Eoamelled each	0 55	
GRINDSTONE FIXTURES		
Per doz.	3 60	4 00
HAMMERS.		
Nail		
Maydole's, dis. 5 to 10 per cent.	Can., dis	25 to 27½ per cent.
Tack.		
Magnetic per doz.	1 10	1 20
Sledge.		
Canadian, per lb	0 07½	0 08½
Ball Pean.		
English and Can., per lb.	0 22	0 25

HANDLES.		
Axe, per doz., net,	1 50	2 60
Store door, per doz	1 00	1 50
Chest, per doz. pairs.....	0 40	2 50
Chisel.		
Firmer, per gross.....	3 00	4 50
Socket Firmer, per gross	3 25	8 00
Socket Framing, per gross.....	3 75	5 00
Fork.		
C. & B., dis. 45 per cent. rev. list.		
Hoe.		
C. & B., dis. 45 per cent. rev. lis		
Saw.		
American, per doz.....	1 00	1 25
Plane.		
American, per gross.....	3 15	3 75
Hammer and Hatchet.		
Canadian, 45 per cent.		
Cross-Cut Saw.		
Canadian, per pair	0 13½	0 20
HANGERS.		
Door, 4 and 5 inch, per pair.....	0 40	0 50
Lanes, 62½ per cent.		
HATCHETS.		
Canadian, dis. 40 to 42½ per cent		
HINGES.		
Blind, Parker's, dis. 60 and 10 to 65 per cen		
" Shepard's Noiseless, dis. 60 per cent.		
" Buffalo, dis. 60 to 70 p. c.		
Light T and strap, 70 and 10 p.c.		
Heavy, per lb.....	0 03¾	0 01¼
Screw hook and hinge.....		
6 to 12 in., per 100 lbs.....	3 15	
14 in. up, per 100 lbs.....	2 35	
		Per doz. set.
Screw Eureka.....	1 13	1 80
Gate, Clark's.....	1 50	2 20
" Shepard's, dis. 50 to 60 per cent.		
		Per gro. pair
Spring.....		9 50
" Shepard's Samson.....		1 20
HOES.		
Garden, Mortar, etc. dis. 60, 10 and 5 p.c.		
Planter, per doz.....	4 00	4
HOOKS.		
Cast Iron.		
Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz	0 50	1 00
Wrought Iron.		
Wrought Hooks and Staples, Can., dis. 47½ per cent.		
Wire.		
Hat and coat, dis. 60 to 60 and 10 p.c		
Belt, per 1,000.....	0 60	0 70
Screw, bright, dis. 65 and 10 per cent		
HORSE NAILS		
" P. B., dis. 50 p.c.		
" C" brand, 50 p.c. dis.		
" M" brand 50 p.c.		
Acadian, 50 and 20 p.c., countersunk head.		
HORSE SHOES.		
	F.O.B.	F.O.B.
Iron Shoes.	Montreal	Toronto*
Light, medium, and heavy..	3 15	3 25
Snow shoes	3 40	3 50
Steel Shoes.		
Light, all sizes.....	3 35	3 45
Extra light.....	4 50	4 60
Toe weight (steel).....	5 50	5 60
*Also Hamilton, London, Guelph, St. John Halifax.		
ICE PICKS.		
Star, per doz.....	3 00	3 25
KETTLES.		
Brass spun, 7½ p.c. dis. off new list.		
Copper, per lb.....	0 30	35
American, 60 and 10 to 65 and 5 p.c.		
KEYS.		
Lock. Can., dis. 50 p.c.		
Cabinet, trunk, and padlock,		
Am. per gross.....		1 60
KNOBS.		
Door, japanned and N.P., per doz.....		0 90
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine, ".....	6 00	9 00
Shutter, porcelain, F. & L. screw per gross.....	1 30	4 00
KNIVES.		
Clauss, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.		
Christie, bread, cake, and paring knives, \$7.00 doz. sets, with 10 p.c. off.		
Hay knives, spear point, L or T handle, 60 and 5 per cent.		
Lightning, per doz.....	6 50	8 40
Heath's, \$7.75 net.		
LADLES.		
Melting, per doz.....	1 70	4 50
LEMON SQUEEZERS.		
Porcelain lined, per doz.....	2 20	5 60
Galvanized, ".....	1 87	3 85
King, wood, ".....	2 75	2 90

King, glass,	4 00	4 50
All glass,	1 20	1 30
LINES.		
Fish, per gross,	1 05	2 50
Chalk,	1 90	7 40
LOCKS.		
Canadian, dis. 50 p.c.		
Russell & Erwin, per doz., ..	1 75	7 50
Cabinet,		
Eagle, dis. 30 p.c.		
Padlock.		
English and Am., per doz., ..	50	6 00
Scandinavian,	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.		
Iron and Brass.		
Flat head, discount 25 p.c.		
Round Head, discount 20 p.c.		

MALETS.		
Tinsmiths', per doz.,	1 25	1 50
Carpenters', hickory, per doz., ..	1 25	3 75
Lignum Vitae, per doz.,	3 85	5 00
Caulking, each,	1 60	2 00

MATTOCKS.		
Canadian, per doz.,	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.		
American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.		
American, per doz.,	0 42	2 35

MOLASSES GATES.		
Stebbin's Patent, dis. per cent., 77½ per cent		

NAILS.		
Quotations are:	Cut.	Wire.
2d. and 3d.	\$2 75	\$2 81
3d.	2 40	2 45
4 and 5d.	2 15	2 20
6 and 7d.	2 05	2 10
8 and 9d.	1 90	1 95
10 and 12d.	1 85	1 90
16 and 20d.	1 80	1 85
30, 40, 50 and 60d. (base). ..	1 75	1 80
Steel Cut Nails 10c. extra.		
Brads and finishing nails, special sizes, 80 p.c. from new list.		

NAIL PULLERS.		
German and American,	1 85	3 50

NAIL SETS.		
Square, round, and octagon, per gross,	3 38	4 00
Diamond,	12 00	15 00

NETTING.		
Poultry, 67½ per cent. for imported, 55 per cent. for McCullen's.		

OIL.		
Canada refined oil (Toronto), ..	0 14	
Carbon safety,	0 16½	
American w. w.,	0 17½	
Pratt's Astral,	0 17	

OILERS.		
McClary's Model galvan. oil can, with pump, 5 gal., per doz.,	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.,	1 25	3 50
Brass,	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.		
Galvanized, per doz.,	1 85	3 00

PENCILS.		
Dixon's, per gross,	1 00	4 25
Carpenter,	2 25	3 60

PICKS.		
Per doz.,	6 00	9 00

PICTURE NAILS.		
Porcelain head, per gross,	1 40	3 00
Brass head,	0 40	1 00

PIPE CUTTING MACHINERY		
Forbes Patent Die Stocks.—Curtis & Curtis, Mfrs. Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to 2 in. R. & L.,	\$ 50 00	
No. 38 Hand Machine, range 1½ to 4,	100 00	
No. 56 Hand Machine, range 2½ to 6,	175 00	

PLANES.		
Wood, bench, Canadian dis. 55 per cent. American dis. 55.		
Wood, fancy Canadian or American, 37½ to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c. Miscellaneous, dis. 25 to 27½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.		
English, per doz.,	2 00	5 00

PLIERS AND NIPPERS.		
Button's Genuine, per doz pairs, dis. 37½ 40 p.c.		
Button's Imitation, per doz., ..	5 00	9 00
German, per doz.,	0 60	2 60

PLUMBS AND LEVELS.		
S. R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		

POPPERS.		
Corn, square, per doz.,	1 35	2 00

PRUNING SHEARS.		
Per doz.,	4 00	5 50

PULLEYS.		
Hothouse, per doz.,	0 55	1 00
Axle,	0 22	0 33
Screw,	0 27	1 00
Awning,	0 35	2 50

PUMPS.		
Canadian cistern,	1 40	2 25
Canadian pitcher spout,	1 15	2 00

PUNCHES.		
Saddlers', per doz.,	1 00	1 85
Conductors',	9 00	15 00
Tinners' solid, per set,	0 00	0 72
" hollow, per inch,	0 00	1 00

RAIL.		
Barn door, per foot,	0 02½	0 02½
Sliding door,	0 03½	0 03½
Lanes,	0 02½	0 02½

RAKES.		
Cast steel and malleable Canadian, list dis 60 to 60, 10 and 5 p.c. revised list.		
Wood, 25 per cent.		

RAZORS.		
Geo. Butler & Co.'s, per doz., ..	8 00	18 00
Bokers',	7 50	11 00
Wade & Butcher's,	3 60	10 00
Arbenz's,	9 00	18 00
Theile & Quack's,	7 00	12 00

RAZOR STROPS.		
Currier's, per doz.,	1 25	3 60

RIVETS AND BURRS.		
Carriage, Section, Wagon Box Rivets, etc., (Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc., (Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and 5 p.c.		
Copper Rivets & Burrs, 45 p.c. Jis. in ½-lb. boxes and cartoons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.		
Canadian, dis. 35 to 37½ per cent.		

ROPE, ETC.		
7-16 in. and larger, per lb. 10½	Sisal.	Manill.
¾ in.	11	13½
½ and 5-16 in.	14½	14
Cotton,	13	
Russia Deep Sea,	14½	
Jute,	6½	7½
Lath Yarn,	8½	
New Zealand Rope,	9½	

RULES.		
Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.		
Mrs. Potts, per set,	0 62½	1 00
" N.P., per set,		90

SAD HEATERS.		
Dome, Shepard's, per doz.,	4 75	5 00

SAND AND EMERY PAPER.		
Domination Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.,		

SASH CORD.		
Per lb.,	0 20	0 50

SASH LOCKS.		
Triumph and Morris, dis. 37½, 40 per cent.		
Kempshell's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.		
Sectional, per 100 lbs,	1 40	1 75
Solid,		1 25

SAWS.		
Crosscut, McMillan & Haynes, per dozen,	0 40	0 70
"Empire", McMillan & Haynes, per ft.,		0 70
Hand, Disston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Disston's, per ft., ..	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each,	0 75	2 75
" frame only,		0 75

SAW SETS.		
"Lincoln," McMillan & Haynes, per doz.,	6 00	7 50
Whiting,	5 63	7 00

SCALES.		
Gurney Scales, 50 p.c.		
B. S. & M. Scales, 50 p.c.		
Champion, 60 per cent		

SCRAPERS.		
Box, per doz.,	2 10	4 50
Boat,	0 40	3 50

SCREENS.		
Door, patent, per doz.,	6 50	11 00
Window, per doz.,	2 00	2 75

SCREW DRIVERS.		
Sargent's, per doz.,	65	4 00

SCREWS.		
Wood, F. H. Iron, and steel, dis. 87½ p.c.		
Wood, R. H., dis. 80 p.c.		
" F. H. brass, dis. 82½ p.c.		
Wood, R. H., dis. 75 p.c.		
Drive Screws, 87½ per cent.		
Bench, wood, per doz.,	3 25	4 00
iron,	4 25	5 75

SCYTHES.		
Discount, per doz. net.,	4 50	6 00

SCYTHE SNATHS.		
Canadian, dis. 50 p.c.		

SHEARS.		
B. & W., japanned, dis. 75 p.c.		
B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 60 p.c.		
Etna, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
" N.P., dis. 70 p.c.		
laus, full nickel, 60 p.c.		
" japanned handles, 67½ p.c. off.		
Seymour or Heinisch tailor shears, 15 p.c.		

SHEAVES.		
Sliding door, per set,	0 77	1 40

SHOVELS AND SPADES.		
Canadian, dis. 40 and 10 to 45 and 2½ p.c.		

SIEVES.		
Wood rim, black, per doz., ..	1 05	1 10
" tinned,	1 25	1 35
Tin rim, per doz.,	2 30	2 45
" black,	1 85	2 25

SNAPS.		
Harness, German, dis. 35 to 37½ p.c.		
Acme,	3 00	5 00
Lock, Andrews',	4 50	11 50

SOLDERING IRONS.		
Per lb.,		0 25

WROUGHT SPIKES.		
Discount, 35 to 40 per cent.		

SPOKE SHAVES.		
Wood, English,	1 80	5 00
Iron, American,	1 35	2 35

SPOONS AND FORKS.		
Tea spoons, per gross,	7 50	12 00
Dessert,	21 00	00 00
Table,	30 00	30 00
Desert Forks,	24 00	00 00
Medium,	27 00	00 00
Table,	36 00	00 00

SQUARES.		
Iron, per doz.,	1 65	2 90
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAPLES.		
Galvanized,	2 00	
Bright,	1 80	

STEP LADDERS.		
BOECKH BROS. & COMPANY.		
Best grade, from 3 to 10-ft. long, per foot, 16		
2nd grade, 3 to 10-ft., per foot, 10c.		

STOCKS AND DIES.		
American, dis. 25 p.c.		

STONE.		
Washita, per lb.,	0 28	0 60
Hindostan,	0 06	0 07
slips, per lb.,	0 09	0 09
Labrador,	0 13	
Axe,	0 15	
Turkey,	0 50	
Arkansas,	0 00	1 50
Water-of-Ayr,	0 00	0 10
Scythe, per gross,	3 50	5 00
Grind. per ton,	15 00	18 00

Stove Polish.

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In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays to any address on receipt of

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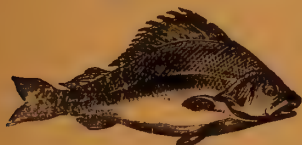
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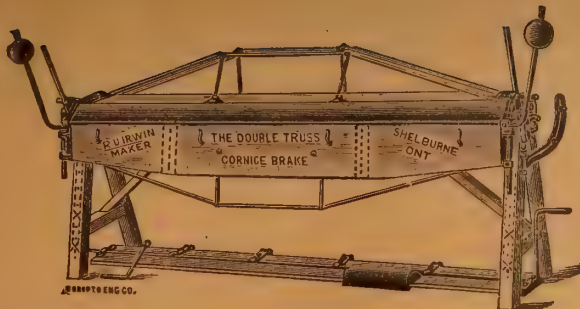
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THOS. C. IRVING, Superintendent



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, \$50

Very handy bender attachment, \$10 extra, if required.

Send for circulars and testimonials to

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It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

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**WAREHOUSE (Portable or Dormant)
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WAGON SCALES**

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THE GURNEY SCALE CO., - Hamilton, Ont.

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Agent for Montreal and Eastern Provinces.

Jewel Gas Ranges

Improved Slotted Burners with Removable Thimble Cap.



Well known as the most perfectly fitted, most efficient, and successful and most economical.

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Roasting and Baking Ovens—with or without Extension for heating

**Hot Water
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Manufactured by

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Est. 1893

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Twelve

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International Expositions
Special Prize

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HAVE YOU TRIED IT ?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

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OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.



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that
name

ROBERTSON'S

Well, when you buy Ready Mixed

Paints see that they bear that on every can, as it is a guarantee that
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Langwell's
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HARDWARE

AND METAL
MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X

MONTREAL AND TORONTO, SEPTEMBER 3, 1898

No. 36



Magnolia Metal

*Best Anti-Friction Metal for
all Machinery Bearings.*

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.



The name and trade
mark appear on each box
and bar, and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamped
on the under side of
each bar.

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LONDON OFFICE—49 Queen Victoria St.
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If you engage a man, you want one
that you can rely upon all the time.

"Queen's Head" Iron is a servant, one who has been
tried for many years, and whom you can depend upon to
do his work and do it well **every** time.

Why take chances with strangers or with less trust-
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BRISTOL and MONTREAL

THE ...

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LIMITED

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in the most complete line of

Steamfitters' Specialties

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*Wrought Iron Pipe
Cast and Malleable Fittings
Also Galvanized Pipe and Fittings
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MANTELS
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THE range of our product is from the smallest article possible to make to the largest work ever used or required.

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made to any desired specification or design.



We have always on hand a large stock of

Sheet Copper and
Copper Tubing

CORRESPONDENCE SOLICITED

THE BOOTH COPPER CO.

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"DAVIDSON'S

STANDARD
PLEATED
ONE-PIECE"

No raised seams
to catch the dust.

Elbows

Made of high-grade,
heavy, smooth steel.

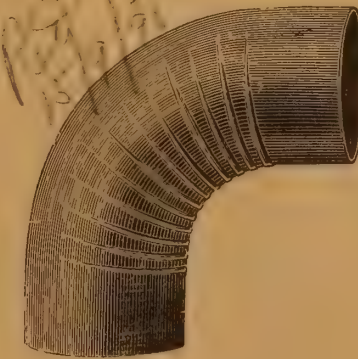
5, 6, 7 and 8 inch.

They hold the trade
BECAUSE---

They have flat pleats that
do not catch the dust.
They are easily cleaned, in-
side and out.

They are not rivetted, mak-
ing them adjustable to
all pipes.

See the long throat.



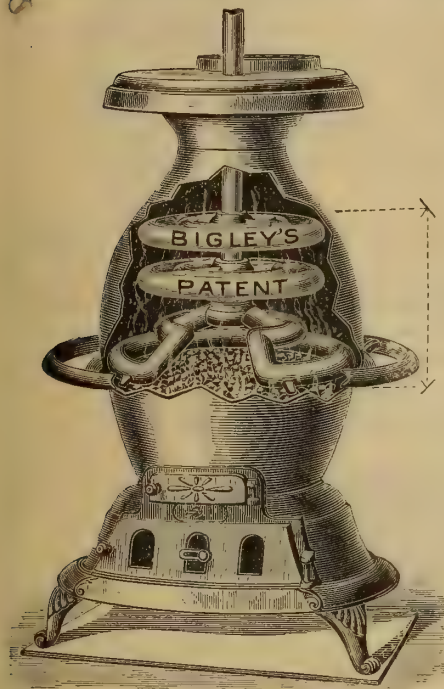
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Made in
8 Sizes.

They are so constructed that one or more sections can be used. They are constructed principally for combination heating, in any kind of Hot Air Furnace, Globe Heaters or Stove, such as represented in cut. They are put together with screwed nipples and tested to 150 lb. pressure. The first section is cut away in front, so as to admit the coal. This heater adds $\frac{2}{3}$ more heating capacity to a stove or furnace. It can be built in brick for greenhouse heating.

Send for Catalogue

Manufactured by

R. BIGLEY 96 and 98 Queen E. **TORONTO**

Our "Para" Rubber Belt

is made of 32-oz. Duck coated with fine Para Rubber, and makes a superior THRESHING BELT.

OUR PATENT
SEAMLESS

Forsyth Rubber Belt

is so constructed as to do away with an exposed seam.

Price List and Discounts
on application.



THE CANADIAN RUBBER CO.

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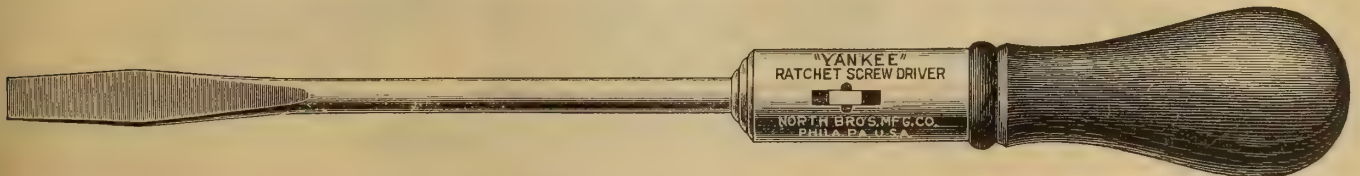
BRANCHES: Toronto and Winnipeg.

OTHER TOOLS ARE VERY GOOD TOOLS, BUT

"YANKEE" TOOLS ARE BETTER



SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

Sold in Canada by

CAVERHILL, LEARMONT & CO.	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	"
RICE LEWIS & SON, Limited	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	LONDON

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on application.

North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.

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1778.



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MARK.

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APPLEBY & CO., - 501 Board of Trade, MONTREAL,

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Standard Steel Toe Calks



WRITE
FOR
DISCOUNTS.



Sizes—No. 0 to 7, 1½ to 3 inches. Price \$1.00 Per Box of 25 lbs.
in Bulk, or 24 lbs. in 4 lb. Packages.

Sizes—No. 0 to 5, 1½ to 2¾ inches. Price \$1.25 Per Box of 25 lbs.
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The fibre is long
and strong

BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE

Eddy's Wrapping Papers

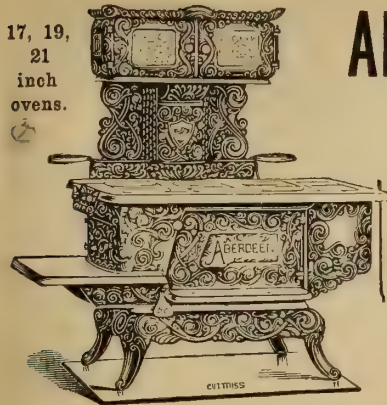
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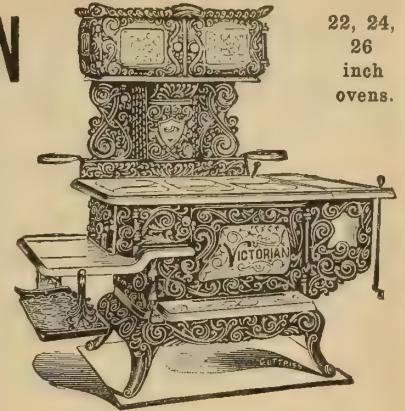
17, 19,
21
inch
ovens.

ABERDEEN, for Coal and Wood.

ABERDEEN AND VICTORIAN RANGES

These two modern, beautiful ranges give a complete line of goods for coal and for wood, and were constructed with special reference to the needs of Canadian trade. They have roomy fire boxes, capacious ventilated ovens, large fire doors, spacious hearths.

The COPP BROS. CO., Limited
Hamilton, Ont.



22, 24,
26
inch
ovens.

VICTORIAN, for Wood.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinisch's Sons Co. vs. Hermann Boker & Co:

"The complainant (R. Heinisch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinisch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinisch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorn & Co., St. John, N.B., H. S. Howland, Sons & Co., Toronto; and others,

Established 1825.

COLDBROOK IRON AND STEEL CO.

Limited

Manufacturers of
all kinds of

BAR IRON.

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GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

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WEB HALTERS,
LEATHER HALTERS.
COW TIES,
NEW STALL FIXTURES.**
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Samuel, Sons & Benjamin

164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

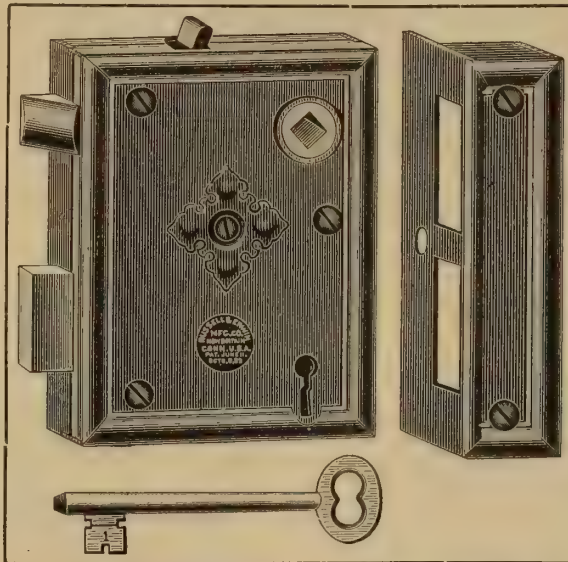
RUSSELL & ERWIN MANUFACTURING COMPANY

Manufacturers
of . . .

HARDWARE

Wrought Steel Door
Locks

Wrought Steel
Mortise
Locks,
Excelling in
Lightness and
Strength
and
Novelty of
Finish.

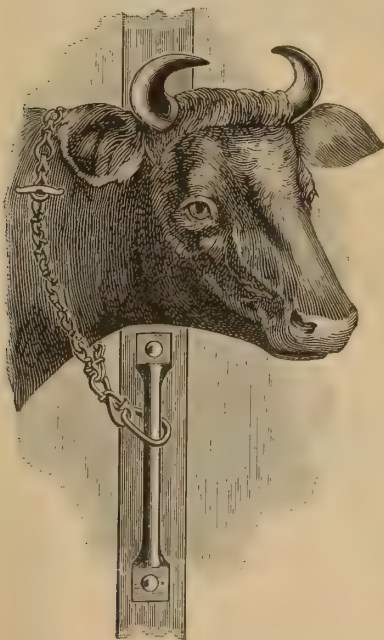


Rock Steel Rim Lock, Nos. 3800 to 3806.

Wrought Steel Door
Locks

Wrought Steel
Rim Locks,
Excelling in
Lightness and
Strength
and
Novelty of
Finish.

RUSSELL & ERWIN MANUFACTURING COMPANY, New Britain, Conn. New York Philadelphia
Chicago Baltimore London



NIAGARA PATTERN

Or "SHORT"

COW TIE.

Made in either

CUT LINK

.. OR ..

WIRE LINK
CHAIN.



Showing also our new

NIAGARA
STALL
FIXTURE.

The cheapest, safest and most convenient stall fixture ever devised for either cows or horses. Allows great freedom to the head without a long chain, which would entangle the animal's foot. Also American Open and Closed Ring Cow Ties.

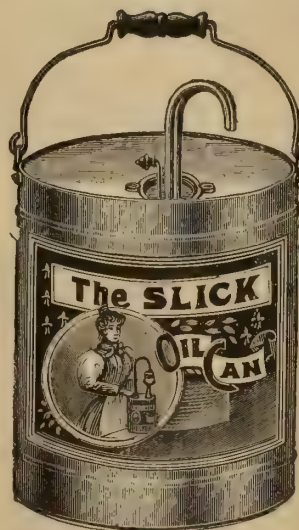
ONEIDA COMMUNITY, Limited
NIAGARA FALLS, ONT.

KEMP'S SLICK OIL CAN

IS

A first-class leader
for the fall trade.

A perfect can at a
low price.



No Oil Spilled
No Soiled Clothes
No Dirty Lamp

It is impossible to overflow lamp.
The pump is attached in the simplest and strongest
manner possible.

Will not get out of order with ordinary use.

KEMP MANUFACTURING CO.
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NEW YORK - - - - 14 Irving Place,
M. J. Henry.

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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

TENDENCY OF PIG IRON VALUES.

RECENT advances recorded in pig iron, at United States mining centres, have so far attracted little attention in the eastern part of Canada. United States pig has not been much of a factor in the Montreal market since last spring, as there has been no new business in since May last.

It is not believed, therefore, that the rise of 25 or 50c. per ton, reported lately in the States, will have any influence on the values of either domestic or Scotch pig in the Montreal market.

No large fall contracts have so far been reported, either in Scotch, Hamilton or Nova Scotia brands, but there are some under negotiation. Buyers, however, appear

to be quite confident that they will be able to book all they want at existing prices, or, in any event, at little advance.

At present, the stock of pig iron of all sorts in Montreal is considered to be fair, though hardly equal in quantity to that on the wharf and in yard at the same time last year.

Values on Hamilton and Nova Scotia brands, as noted some time ago, are rather higher, while Scotch pig rules about the same as it did this time last summer.

SETTLED AT LAST.

The cable announces a settlement of the coal strike in South Wales. The strike began some six months ago. The men demanded an advance of 10 per cent. in wages, but the masters would only concede 5 per cent., with a scale. According to the cable, the trouble has been settled on a basis of a 5 per cent. reduction in wages, so it would appear the employers had prevailed.

The strike has been a serious one, not only to the coal trade of South Wales and to the families of the strikers, but to the iron and steel trades of the United Kingdom, compelling works to shut down for the want of fuel, and thus leaving orders unfilled.

There may be an impression that the price of Canada plate, tinplate, etc., will be easier, now that the chief cause of the recent advances has been removed.

This impression may be right, but it is scarcely likely to be realized just now, at any rate, for it must be remembered that there is an accumulation of back orders to be filled, while the short stock and the

usual demand before navigation closes will tend to maintain values in Canada. At the moment all material from which tinplates are made, such as tin, steel, etc., is strong in price.

ELEVEN MILLION DOLLARS GOLD.

MAJOR J. W. WALSH, the administrator of the Yukon district the past year, and who is now on his way back to Ottawa, estimates this season's gold output in the Klondyke at \$11,000,000, while the clean up of next year he places at \$20,000,000.

Then, in addition to this there are the gold mines in the Kootenay, some of which are in full operation and yielding richly of the yellow metal, to say nothing of those in Ontario and Nova Scotia.

What Canada's total gold output will be this year no one at present can say. That it will be out of comparison with any previous year in the history of the country is a foregone conclusion.

Last year was a record breaking year, with a production of \$6,190,000 for the whole Dominion, but for 1898 it is likely to be at least three times that much. In 1896, the yield was \$2,287,328, and in 1895, \$1,698,582.

Notwithstanding the enormous increase of gold during the past year, Canada only ranks fifth among the gold-producing nations, the United States coming first, Australia second, Africa third, and Russia fourth. The next year will most likely see her elevated to fourth position, while, with her possibilities, there is no reason why she should not ultimately take the lead.

HOW THE U. S. VIEWED CANADA 30 YEARS AGO.

WHILE the present conference at Quebec may not result in an extensive or even a limited treaty of reciprocity between Canada and the United States, yet it is a source of gratification to know that a different view of the value of the trade and of the position of the Dominion obtains across the line than there did when the last treaty was abrogated 32 years ago.

Mr. Derby, the Commissioner of the United States Treasury, appointed to investigate trade with Canada, under the treaty of 1854, reported that the commerce of the United States with Canada had increased from \$50,300,000 in 1856 to \$68,000,000 in 1865, the year before the treaty expired; while he estimated that the United States mackerel fleet had in some years caught as much as \$4,500,000 worth of fish in the St. Lawrence river and the Bay of Chaleurs. Then, there were the advantages that accrued to the United States shipping interests, which were most valuable. Furthermore, when the question of the renewal or abrogation of treaty was, in 1864, being discussed, one of the members of the House of Representatives at Washington declared that "with all the defects of the present treaty, the balance of trade for the last ten years has been in favor of the United States."

But, in spite of these facts, in spite of the report of the Commissioner of the Treasury, in spite of the protests of the Chambers of Commerce of Boston, Chicago and other places the politicians were determined there should be no continuation of the treaty. And the resolution which embodied their views was carried by a vote of 31 to 8 on Jan. 11, 1865.

In the majority, it is possible there were some who either did not or would not believe that it was to the advantage of the United States to continue the reciprocity treaty with Canada, but the bulk of those against reciprocity were actuated either with hatred of Great Britain or a desire to annex Canada, or both.

It was thought then, as it has often been thought since, until quite recently, that the United States was the very life and blood of Canada. Listen, for example, to what one

Congressman said when the treaty was under discussion in 1864 :

God knows, I do not want to destroy that people (the Canadians) entirely. * * * I know they have nowhere else to go but to our markets. The Mother Country, as they call it, has failed to protect them. The markets there do not suit them, and are of no account to them; but they come to us for our markets. * * * What reciprocal advantages can they return to us? What benefits do they give us for those we confer on them? They tell us that we may come to their markets. Why, sir, they have no markets. If this resolution (resolution to appoint a commission) is to be provided for, I want its name changed to "a commission to arrange terms for continuing, in a dignified position, the wet nurse of the sick British colonies."

Of course, this was all a lot of twaddle, but lying twaddle was sufficient to do duty as arguments in those days.

It is quite true that the United States was then Canada's chief market, but, it by no means followed that we were dependent upon it. We turned our attention more to the British market, as did the McKinley tariff some 25 years later, with the result that by 1877, 11 years after the treaty had been abrogated, Canada exported to Great Britain \$41,567,469 worth of goods, against \$25,775,245 to the United States, while during the fiscal year ending June 30, 1898, our exports to Great Britain aggregated \$104,787,554 and to the United States \$41,122,556, not so bad for a market that did not suit us.

Then, away back in 1868, two years after the treaty was abrogated, the total exports to all countries were but \$57,567,888; for the fiscal year 1898 they were over \$100,000,000 larger, namely \$159,485,770, while the aggregate trade—imports and exports—has increased from \$131,027,532 in 1868 to \$304,091,720 in 1898, a gain of 132 per cent. in 30 years.

Now, as to Canada as a market. "Why, sir, they have no markets," we were told in 1864. The Dominion then was no insignificant market. Four years later, it imported nearly \$73,500,000 worth of goods, but whatever it was then there can now be no question regarding its importance, for, during the fiscal year of 1898, Canada imported \$86,587,484 worth of United States products, while our total imports from all countries were \$140,305,950.

It will also be interesting in this connec-

tion to note the relative value to the United States of its trade with Canada.

As we have already shown, the goods sent to Canada last year by the United States aggregated \$86,487,484, or, according to the figures of the Treasury Department, Washington, \$82,854,947.

As to the exports from the United States to other countries, we have only access to the figures of 1897. These show that Canada ranks third among the United States' customers, Great Britain being first and Germany second, while the trade with the West Indies, Mexico, Brazil, and all South American countries combined, did not, all told, equal the exports in 1898 to Canada alone. These are the figures :

West Indies.....	\$24,807,450
Mexico.....	22,726,596
Brazil.....	12,406,785
Other South American countries....	20,538,032
Total.....	\$80,478,863
Exports to Canada, 1898.....	\$86,587,484

That the United States politicians of 30 years ago were wrong in their estimation of Canada is obvious, and it is equally obvious that those of to-day, largely through the influence of the business men, are beginning to acquire a right appreciation of the Dominion's worth. And it is to be hoped that, as a result of the conference at Quebec, closer and better trade relations will exist between the two countries.

A BAD FAILURE.

The failure of Peter Bertram, hardware dealer, Hamilton, is a serious one. The liabilities are \$26,000 and the assets \$13,000.

It was found at a meeting of the creditors, held the other day, that a year ago Mr. Bertram was insolvent, he at that time having a deficit of about \$10,000, but, in spite of this, he not only persisted in doing business, but borrowed £1,000 from his mother-in-law.

When he bought the hardware stock of J. & A. Bertram, Toronto, four or five years ago, he gave notes to the amount of \$15,000, and Mr. John Bertram is still a creditor for over \$5,000.

At the meeting of creditors an offer of 25c. on the dollar was made, and this was accepted by the creditors present. Mr. Bertram stated that if he secured a settlement he would sell his stock and retire from the business.

PREFERENTIAL TARIFF AND HARDWARE PRICES.

JUDGING from the character of some of the circulars which are being received from Great Britain, by wholesale merchants in Canada, there are a good many manufacturers and exporters in the Mother Country who do not fully understand the new preferential tariff of the Dominion on British goods.

They appear to think that it is a 25 per cent. reduction in the tariff, leaving only 5 per cent. to be paid on the ordinary 30 per cent. rate.

Recently, the head of an English cutlery firm visited Canada for the first time, and he told **HARDWARE AND METAL** that he thought he would only have to pay 5 per cent. on goods that were 30 per cent. under the ordinary tariff. "But I jolly well soon learned my mistake," he explained. Yet, this gentleman came to Canada with a view to doing business under a 5 per cent. tariff on his goods.

Aside from the preferential clause in the tariff, the duty on most lines of hardware is 30 per cent. A dollar's worth of goods, on arriving in Canada, would thus be worth, plus the duty, \$1.30. Under the preferential tariff, with one-fourth off the 30 per cent., the duty to be paid would be 22½ per cent. Prior to the preferential tariff, a dollar's worth of goods purchased in Great Britain cost the importer \$1.30; plus the duty, they now cost him \$1.22½, making a difference of 7½c. in the price of the goods to the importer, or barely 5.77 per cent.

It is obvious, therefore, that the preferential tariff will not, in itself, give the British manufacturer the Canadian market for hardware. There must be a decided effort on the part of the British manufacturers themselves. They must be more willing than they have been in the past to make goods and pack goods to not only suit the requirements of the Canadian trade, but to meet the competition of the United States, whose manufacturers are quite up-to-date in this respect.

All things being equal, importers in Canada, prefer, as a rule, to place their orders with British manufacturers. There is no question about that. But all things must be

equal. Business competition is too keen to ever allow patriotism to have its way. Business is business.

He who goes into business without feeling his ground is like unto him who steps upon ice before ascertaining its strength.

THE VALUE OF A RAZOR.

IT depends not so much upon who makes the steel as upon the man who grinds it.

Razor grinding is an art. Grinders are born, not made. As there is a difference between the handwriting of different men, so there is a difference between the grinding of razors by different men. A thoroughly skilled grinder will generally recognize and pick his work out of a pile of assorted goods—recognize it by its own peculiarities, of which at the moment we cannot give a better comparison than that a man will pick out his own handwriting from a number of others.

The king of his trade, about whom it is said there is no other grinder in the world does equal work, is a German by birth. He is called by the other grinders the "artist." Not only does he do better work, but, through his extraordinary skill and intelligence, he will cull out everything which has the slightest fault. When he has ground 1,000 razors, there will be none with the least imperfection. The other better grinders will finish up, among 100 razors, a certain number which will, to an expert, show some kind of imperfection in their grinding, quality or temper. Every razor this "artist" grinds goes to the trade under his own brand, while each of the other well-known brands are made by several grinders. The trade for razors ground by him has increased so much that the makers are handicapped in supplying the demand.

There is often a good deal of talk about machine-made goods and hand-made goods, but the majority of good manufacturers will be very careful not to let the outside man, and especially their opponents, know how they make their goods. No doubt the final result is the best proof of the quality, and the razors concaved by this grinder mentioned above are claimed to have eclipsed anything that has been, so far, produced on any market.

IMPORTS OF HARDWARE, IRON AND STEEL.

THE returns giving the imports of the Dominion for July are most interesting when we compare them with those of the same month of 1897.

The total imports, dutiable and free, exclusive of coin and bullion, were \$16,745,781, against \$9,056,894 in July, 1897, an increase of 84 per cent. Dutiable goods were \$10,520,658, against \$5,332,596, and the free goods \$6,225,123, against \$3,724,298.

The general increase has been shared in by hardware, iron, steel and coal. The following tables show this:

	July, 1898.	July, 1897.
Brass, manufactures of...	\$ 28,961	\$ 26,384
Bicycles, tricycles, and parts of.....	40,639	35,872
Cars, railway and tram...	9,916	7,764
Cement, and manufactures of.....	93,799	....
Coal, bituminous.....	406,533	243,349
Copper, manufactures of..	3,413	7,762
Window glass.....	79,941	21,407
Plate glass.....	51,770	9,175
Gunpowder and explosives	25,848	19,755
Iron and steel, and manufactures of—		
Band, hoop, sheet and plate.....	162,841	174,301
Bar iron and railway bars.....	57,334	65,029
Cutlery, hardware, tools and implements.....	445,245	223,408
Machines, machinery, engines, including locomotives.....	286,943	190,360
Pig iron, kentledge and scrap.....	79,095	82,225
Stoves and castings....	24,441	18,863
Tubing.....	61,389	32,940
All other manufactures iron and steel.....	503,000	238,735
Lead and manufactures of	40,218	28,833
Metals and manufactures of	68,302	25,154
Linseed oil.....	39,560	15,618
Paints and colors.....	91,431	53,979
Total.....	\$2,590,619	\$1,510,918
	July, 1898.	July, 1897.
Coal, anthracite.....	\$1,892,700	\$593,202
Metals, brass and copper.	81,408	66,378
“ steel rails for railways.....	284,693	222,103
“ iron and steel, all other.....	195,400	135,174
“ Tin and zinc.....	109,693	42,590
“ Other.....	17,987	22,307
Total.....	\$2,581,881	\$1,081,754

The increase in a great many of the lines enumerated above is due to the 25 per cent. preferential tariff which went into effect on July 1, and for that month applied to the products of Germany, Belgium, France, etc., as well as to those of Great Britain, but it is not by any means due altogether to that fact. The free goods, for instance, would not be affected thereby, and yet the increase in these goods was about 138 per cent. The increase in the dutiable goods was 72 per cent.

It is evident the better times had something to do with the increased imports as well as the preferential tariff.

CANADIAN PRODUCTS IN BRITAIN.

IN his annual report to the Dominion Department of Agriculture, Prof. Robertson states that an experiment regarding shipping apples in cold storage to Great Britain was made, 337 packages being sent in cold storage and 116 packages as ordinary cargo.

The apples shipped were of the Baldwin, Ribston Pippin, Cranberry Pippin and Northern Spy varieties, and were wrapped in paper. It was found on arrival that those shipped in cold storage arrived in sound and firm condition, while those shipped as ordinary cargo were not so solid, showing signs of decay wherever a spot or scab existed.

The apples in cold storage showed moisture on the surface, a result produced by condensation from the air by the sudden change of temperature. This can be overcome by keeping the cases closed, when taken from cold storage, until the fruit has become gradually warmed to near the temperature of the air.

Great Britain imported, last year, \$256,-960,404 worth of breadstuffs—wheat, flour, oats, barley, etc. Of this, Canada sent \$14,928,170 worth.

The following table shows how Canada's exports of breadstuffs compared with that of other countries:

Countries,	Flour,	Other Breadstuffs
Canada.....	\$ 3,973,570	\$10,954,600
Other British Possessions	2,448	310,556
United States	33,028,120	84,402,528
Russia	24,513	50,120,282
Germany	321,070	3,710,337
France	3,544,105	500,527
Austrian Territories	3,739,498	212,736
Argentine Republic.....	57,052	20,695,303
India		3,445,793
Roumania		15,431,218
Turkey.....		9,369,856
Chili		4,656,304
Other foreign countries.....	218,621	8,241,882
Total	\$44,918,982	\$212,051,422

It will be seen that Canada stands second among the nations as an exporter of flour to Britain, and fifth as exporter of other breadstuffs.

Canadian wheat has an excellent reputation, but Prof. Robertson expressed the opinion that much of the wheat, especially from Manitoba and the Northwest Territories, is degraded in transit through the United States, inferior wheat being mixed with it. It would be of undoubted advantage to Canadian wheat-growers, if the bulk of the wheat crop could be handled through Canadian channels. Not only would the profits which arise from transportation be a direct source of revenue to Canadians, but the matchless quality of our wheat for bread-making, if kept unmixed with lower grades,

would soon win a more decided preference and a relative advance in price.

Canadian flour is steadily gaining ground as flour from which bakers can make not only the best quality of bread, but also the largest quantity per barrel. Prof. Robertson is of the belief it would be advisable to have Canadian wheat ground into flour at home instead of being shipped in its natural state. This would furnish employment to a large number of persons, and would leave in Canada the bran and shorts, which will be wanted in greater quantity as our production of cattle and hogs increases.

AN ENTERPRISING FIRM.

Attention is called to the advertisement of Lockerby & McComb, Montreal, who recently started the manufacture of tarred and felt roofing. Both of these young men are well and favorably known to the trade, they having been with A. McArthur & Co. for the last 15 years, during which time they acquired a thorough knowledge of the felt and paper business. Mr. McComb has many friends scattered all over the line, from Quebec to Winnipeg, and, judging from the rush of business noticeable at their factory lately, they have not forgotten him in his new enterprise.

Mr. Lockerby personally superintends the manufacturing department and the buying of raw material, and the excellent appearance of the goods upon the market shows that he is well up in his business.

The factory is situated on Shannon street, in the large property which was recently occupied by The Montreal Gas Co., and has a capacity of two cars per day.

Their brands are already favorably known, especially the "Shield" and "Good Luck," which have taken the place of many of the old leaders.

The shipping department of the new firm is one of the best, eight teams being able to load at once, and under cover, which ensures quick despatch. This is one of the points they are anxious to get to perfection. Speedy delivery means repeat orders, other things being equal.

TO THE FRONT.

The well-known firm of Clendinneng & Son, who have been carrying on a large local trade in Montreal, have secured some decided improvements in the stove and heating line, and, to judge by the large number of orders they have booked ahead from all parts of the country, they have bright prospects for a busy season. This year's "Leader," "Universal" and "Jubilee" stoves have had a ready sale wherever samples have been placed, and the number of years this firm have been before the public is a guarantee of the sterling quality of the goods they manufacture.

RUSTY BICYCLES.

RUST has accumulated on bicycles in an unprecedented manner this year, says Stoves and Hardware Reporter. Both riders and tradesmen have been troubled with it to an unusual extent. It appears that dealers have had great difficulty in keeping the nickel parts bright. One man declares that a chain, which had been well graphited, grew rusty standing in the store over night. This prevalence of rust is caused by the great quantity of moisture in the air accumulating from frequent rains. The parts which are first attacked by rust are the spokes, although all the joints suffer from it, as the moisture finds crevices in which to collect.

Trouble of this kind may be avoided to a certain extent, if riders take proper care of the wheel after each ride, and use judgment in stowing it away.

One of the chief drawbacks to bicycle storage, is that conditions which are good for the tires may be injurious to the rest of the machine, and vice versa. Tires ought be kept in a cool dark cellar; but this is just the place where moisture abounds. A room that is cool and dark and perfectly dry would be the best of all. It is not always possible to secure a combination of these favorable conditions, and riders are sometimes forced to make the best of their circumstances, and take proper precaution in protecting the wheel.

In taking care of a wheel, it is best first to clean off the wet and dry mud, and then remove all dampness with a dry rag or wool waste. After that, a going over of the nickel parts with an oily rag will protect them fairly well. There are some oils considered rust preventives, and the best of these is preferred to any of the ordinary sort. The best cure for rusty spokes is to have them enameled black, the same as the frame. Enameled spokes are used almost universally in England. Some of the American manufacturers formerly enameled the spokes of their wheels, but this practice has been abandoned. Riders, who desire it, can have their spokes, rims and hubs all enameled at one time by removing the tires and taking the wheels to an enameler.

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

"ON TIME."

WEBSTER was never late at a recitation in school or college. In court, in Congress, in society, he was equally punctual.

Amid the cares and distractions of a singularly busy life, Horace Greeley managed to be on time for every appointment. Many a trenchant paragraph for The Tribune was written while the editor was waiting for men of leisure, tardy at some meeting.

The comet which visits our atmosphere but once in a thousand years is never a single second behind time.

Punctuality is the soul of business, as brevity of wit.

Every business man knows that there are moments on which hang the destiny of years. If you arrive a few moments late at the bank, your paper may be protested and your credit ruined.

During the first seven years of his mercantile career, Amos Lawrence did not permit a bill to remain unsettled over Sunday.

Punctuality is said to be the politeness of kings.

Some men are always running to catch up with their business; they are always in a hurry, and give you the impression that they are late for a train. They lack method, and seldom accomplish much.

One of the best things about school and college life is that the bell which strikes the hour for rising, for recitations, or for lectures, teaches habits of promptness.

Every young man should have a watch which is a good timekeeper; one that is nearly right encourages good habits, and is an expensive investment at any price. Wear threadbare clothes if you must, but never carry an inaccurate watch.

"Oh, how I do appreciate a boy who is always on time!" says H. C. Brown. "How quickly you learn to depend on him, and how soon you find yourself intrusting him with weightier matters! the boy who has acquired a reputation for punctuality has made the first contribution to the capital that in after years makes his success a certainty."

"Better late than never" is not half as good a maxim as "Better never late."

A conductor's watch is behind time, and a frightful railway collision occurs. A leading firm with enormous assets becomes bankrupt, because an agent is tardy in transmitting available funds, as ordered. An innocent man is hanged because the messenger bearing a reprieve should have arrived five minutes earlier. A man is stopped five minutes to hear a trivial story and misses a train or steamer by one minute.

Grant decided to enlist the moment that he learned of the fall of Sumter. When

OUR... BUSINESS.

It is this: Making paint. We make but one grade—the best. We believe in no other kind.

We honestly believe we understand better how to make **good** paint than any other concern in the world. Just think: thirty years of constant, careful, searching work given up to the subject of the best paint, and that only. The "cheap" kind we have never wasted a minute on.

We are sometimes asked for a cheaper paint than **S.-W.P.** Our reply is always the same: There is **none** cheaper. Many others—the majority, are sold for less money, but they are not as economical to use as **S.-W.P.** You'll always find the lower the price the poorer the paint—every time.

We would not make a low grade paint for any man. We would make a **better** grade if we could.

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers,

CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON

Walter H. Cottingham
Managing Director
Canadian Dept.

Buckner sent him a flag of truce at Fort Donelson, asking for the appointment of commissioners to consider terms of capitulation, he promptly replied: "No terms except an unconditional and immediate surrender can be accepted. I propose to move immediately upon your works." Buckner replied that circumstances compelled him "to accept the ungenerous and unchivalrous terms which you propose."—"Pushing to the Front."

LOCATION OF ATLIN LAKE GOLD FIELDS.

Mr. William Ogilvie, commissioner of the Yukon district, was asked last night if he could state whether the new gold finds near Atlin lake are in the Northwest Territories or in British Columbia. Mr. Ogilvie replied that, according to the latest maps, only the upper end of Atlin lake is in the Northwest Territories.

The lake, according to these maps, is given as about 40 miles long, and, apparently, all but 15 miles of the northern end of the lake is in British Columbia.

As Pike river, where the gold finds have been made, is south of Pine river, according to sketch maps made since the excitement, this statement of Mr. Ogilvie shows that Pike river must also be within the bound-

daries of the Province, and that the Provincial, and not Dominion, mining laws will apply.—Colonist, Victoria, August 22.

FREE TICKETS FOR MERCHANTS.

THERE are two commendable characteristics in the wholesale merchants of Hamilton. The one is their enterprise and the other is their generosity.

They know that a large number of country merchants visit Toronto during the Industrial Exhibition, and they know that they are largely abroad for sightseeing. With a view to enlarging the opportunity of these merchants for sightseeing, they have, in their generosity, adopted the unique method of offering a free ticket from Toronto to Hamilton and return during the time the Exhibition is open.

In pursuance of this plan, the Hamilton wholesalers have made arrangements whereby the tickets can be obtained from Mr. J. J. Meffer, at Knox, Morgan & Co.'s sample room, Merchant's Building, 50-52 Bay street, Toronto.

"We don't want to keep the country merchants when they visit Hamilton," said a well-known wholesaler of the "Ambitious City." "Neither is it our intention to try and sell them goods. We merely want them to see our pretty little city, have a good time and go back to Toronto."

CATALOGUES, BOOKLETS, ETC.

PRICE LIST OF BOLTS, NUTS, ETC.

CAVERHILL, LEARMONT, & CO., wholesale hardware merchants, Montreal, have issued their 1898 standard price-list for all shapes of nuts, bolts, screws, bolt ends, washers, drills, wire gauges, plates, taps, blacksmiths' stocks and dies, augers, bits, files and rasps. From cover to cover the book is a honeycomb of tables, price-lists, etc., making the book valuable to all hardware dealers.

A GOOD CATALOGUE OF STOVES.

All dealers desiring to be thoroughly posted about stoves and ranges should secure a copy of the catalogue issued by **The Enterprise Foundry Co.,** Sackville, N.B., manufacturer of "Enterprise" stoves and ranges. This catalogue contains over 60 designs of stoves and ranges, thus showing a variety sufficient to meet any demand. Some of the designs shown are handsome.

A GOOD NEW YORK CATALOGUE.

A catalogue for every hardware dealer to possess and to study is that issued by **The Smith & Hemenway Co.,** 20 Warren street, New York, manufacturers and importers of cutlery and hardware specialties. This firm are agents for **The Utica Drop Forge & Tool Co.,** **The Swedish Razor Co.,** and **The Ericsson Telephone Co.** Their catalogue contains a large variety of designs of butcher, hunting and pocket knives, razors, nippers, plyers, whiffletrees, singletrees, telephones and telephone accessories.

CIRCULAR TO PAINT DEALERS.

The circular which the **Sherwin-Williams Co.,** paint manufacturers, etc., Montreal, is sending out to their Canadian customers shows the usual originality and beauty for which all the productions of this company are noted. One reading it must be convinced that the **Sherwin-Williams Co.** believe in treating their customers fairly.

A GIFT TO THE HORSESHOERS.

The horseshoers of the country are being presented by the **Nicholson File Co.,** of Providence, R.I., with a handsome hanger, illustrating the new horse rasp which the company have recently put upon the market. The hanger is about 24 inches long and 5 inches wide, and makes an attractive wall ornament.

At the top of the hanger appears in graceful red letters "The New Nicholson Rasp," with the four special features of high carbon steel, replete with sharp tooth points, thorough tempering, and full weight, easy cut, long wear, set forth just below. The body of the hanger is occupied with a photographic reproduction of a 14-inch

plain rasp, standing boldly out, and with nothing on either side to detract from its prominence. The color of the steel, together with the formation and shading of the teeth, are splendidly brought out. At the foot of the hanger appears an artistic grouping of four of the company's five factories.

The whole makes an ornamental and striking advertisement, and is in keeping with the dignity and effectiveness of all of the **Nicholson Co.'s** efforts in this line.

WILL CREDITORS ACCEPT ?

An adjourned meeting of the **British Columbia Iron Works Co.** is being held today. The result of the meeting will be, it is understood, to call a meeting of the creditors in a few days, and make them an offer, which, if accepted, will enable the old company to reorganize on a good basis and open up the works immediately.

One of the local creditors informed a Province representative this morning of the terms of the offer. It is, he says, to give the creditors stock in the new company to the full amount of their claims, or to make a cash payment of 50 cents on the dollar. It is stated that many of the creditors are in favor of taking the stock, as they consider the prospects of the works very bright, and they have been assured that there will be

plenty of capital to carry on the business in an energetic manner.—Province, Vancouver, Aug. 20.

GURNEY'S "CANTEEN."

During the two weeks of **Toronto Industrial Fair,** **The Gurney Foundry Co., Limited,** are making special efforts to entertain their customers.

Invitations were sent, previous to the exhibition, to all customers in both the city and the country.

These invitations have been responded to by the trade in large numbers, from forty to fifty visitors arriving daily.

These are received by **Mr. Alcock,** and the representatives of the firm, **Messrs. Tisdale, Smith, Brewer and Lightfoot,** and ushered to the firm's "canteen," which has been transformed into an ideal reception room, under the care of **W. G. Chester,** the city representative.

Here a large table is set, bountifully laden with fruits, biscuits, candies, etc., and decorated with flowers, grasses and ferns.

The whole effect of the room, with its walls decorated with photographs and oil paintings, is such that a young lady who was partaking of some pineapple soda water, while **HARDWARE AND METAL** was present, uttered a truism when she exclaimed: "Its so nice that I would not like to try to describe it; I couldn't."

GILBERTSON'S

"COMET"

BRAND

Patent Flattened Galvanized Steel Sheets

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized

and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent 22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

Wholesale Hardware

TORONTO

EXHIBITION WEEK.

*While in Toronto, call and see
our new Sample Room. Our
travellers will be here to wait
upon you.*

H. S. Howland, Sons & Co.

37 West Front St., Toronto

WHOLESALE
ONLY

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

VANCE & CO., general merchants, Norval, Ont., have assigned to Joseph S. Lundy, Brampton, and a meeting of their creditors will be held on September 6.

Benoit & Berard, general merchants, St. Helene, Que., have assigned.

George Leighton, blacksmith, Courtenay, B.C., has satisfied chattel mortgage of \$350.

T. G. McCracken, general merchant, Harriston, Ont., has assigned to A. G. Campbell.

John P. McPherson, blacksmith, Moose Creek, Ont., has assigned to J. F. Smart, Cornwall.

The Toronto Lock Co., Limited, Oshawa, Ont., has assigned to The Trusts Corporation of Ontario, Limited, Toronto.

Richard Tew, assignee of the estate of estate of Neil & McKay, general merchants, Lucknow, Ont., has declared a third and final dividend of 4c., making a total of 24c. on the dollar.

PARTNERSHIPS FORMED AND DISSOLVED.

Ascroft & McClelland, blacksmiths, Nelson, B.C., have dissolved.

Tourigny & Dorais, general merchants, Victoriaville, Que., have dissolved.

Partnership has been registered by N. Desilets & Co., general merchants, St. Tite, Que.

M. J. Gillard, grain, coal and general merchant, Grafton, Ont., has admitted — Nobles; style now, Gillard & Nobles.

Edward A. Dow and Jay W. Crandall have registered as partners under the style of Dow & Crandall, blacksmiths, Sutton Junction, Que.

SALES MADE AND PENDING.

R. H. McDonald, general merchant, St. Edwards, P.E.I., has sold out.

R. B. Fisher, hardware dealer, Gretna, Man., is offering his business for sale.

The stock of J. A. Giard & Co., hardware dealers, Quebec, has been sold by auction.

The Standard Handle Mfg. Co., Thamesville, Ont., is advertising its business for sale.

The assets of Alexis Trudeau, general merchant, St. Brigitte Des Saults, Que., have been sold.

McLellan & Williams, general merchants, Treherne and Holland, Man., have sold out their Holland branch at 85c. on the dollar to W. T. Schooley & Co.

The John Griffiths Cycle Corporation, Limited, sporting goods dealers, Toronto, intend retiring from business in Canada, and are advertising an auction sale of their stock on Sept. 7.

CHANGES.

W. J. Allin has commenced business as blacksmith in Thamesville, Ont.

John Stover, hardware dealer, Norwich, Ont., has sold out to Wm. Lyons.

E. & R. Beattie, general merchants, Port Alma, Ont., have left that place.

E. H. Williams is opening out as hardware merchant in Sinalute, N.W.T.

J. W. Simpson, general merchant, West Lorne, Ont., has removed to Port Alma.

T. B. Morris, general merchant, Wallace, N.S., has sold out to R. E. Nelson & Co.

Lewis Ruth, tinware dealer, Leamington, Ont., has been succeeded by J. A. Richardson.

W. J. Doig, hardware dealer, Russell, Man., has opened a branch at Binscarth, Man.

Somers & Smith, general merchants, Oxford, N.S., have sold out to Daniel Keefe.

Ezile Vachon has registered as proprietor of Vachon, Ulric & Co., general merchants, Beaufort, Que.

Oswald Chaput has registered as proprietor of the firm of O. Chaput & Co., general agents, Montreal.

W. J. Sargeant, general merchant, Bancroft and Maynooth, Ont., is about closing up their Maynooth branch.

The style of the blacksmithing business formerly carried on by Wm. Sauvie, in Comber, Ont., is now Sauvie & Reaume.

AMONG TORONTO RETAILERS.

A Seasonable Window Display.

The man who is always awake, who is ever on the watch to all that should be done at the right time, is the man who deserves to succeed, and, in the majority of cases, does succeed. There is a reason for everything—in window displaying as well as other things. This is the time for displaying shotguns, etc., as on the 1st inst duck-shooting commenced. There is no question but that when shotguns, shot, powder, powder-horns, cartridge-belts, and the rest of the paraphernalia of the hunter, are placed before the eyes of one who has "gone-a-hunting" once, that the desire to go again arises in him, and in many cases he goes, thus increasing the trade of the merchant, who has drawn his attention to the sport. "Russills in the Market" have a fine display of these goods now in their window. They have arranged, at the back of the window, a variety of guns. In front of these, on a small stand, are a couple of kegs of powder, a number of bags of shot, cartridges, filled and empty, etc. The results of this display have been most satisfactory.

A Suggested Display.

There is a proverb somewhere that in time of peace 'tis well to prepare for war. The hardware merchant might advisedly transpose this to read that in time of heat 'tis well to prepare for cold by advertising and displaying his stoves, ranges, etc. Some business has already been done in these goods in Toronto, and, as the weeks go by, from this out the prospects of results from persistent pushing of stoves and other heating apparatus will improve. Try a good display of coal stoves during the next week or two; make it novel by having an artificial light inside the grate, and results will follow sooner or later.

THE RAMBLER.

SAFES

Goldie & McCulloch's Fire and Burglar Proof, new and second-hand. **FAIRBANKS** Standard Scales. **TRUCKS** of every description. Pulleys, Refrigerators, Cash and Deed Boxes. Butchers' Supplies, etc.

Office—308 St. James St. **MONTREAL, QUE.**
Factory—419 St. Paul St.

F. M. SULLIVAN.

Emery and Hardware SpecialtiesHamilton, Ont. **COOKE HARDWARE CO.**

PICTURE CORDS, SHADE CORDS, PICTURE and SHADE HARDWARE, SOLID BRAIDED CORDAGE, BICYCLE DRESS GUARD LACING.

.....Ask your jobber for our goods

THE OSSAWAN MILLS CO.
Norwich, Conn., U. S. A.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring.
"The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

ARE THE BEST.
Highest Quality Grooming and Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., U.S.A.

AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods
We make a specialty of.....
Can ship promptly and supply the very best

"Hand Shaved"

**Octagon
Axe Handles**Made by
Indians

being the largest dealers in Canada in this line
Can give exceptional value.
Have 5,000 dozen of these handles
on hand, ready for polishing.
Write for prices.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.

AN ANNOUNCEMENT !

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

Enameline

THE MODERN
STOVE POLISH
PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

Window Glass



We have a large, well assorted stock.

Sanderson Percy & Co., - Toronto

CANADIAN ADVERTISING is best done by THE
E. DESBARATS ADVERTISING AGENCY,
MONTREAL.

ISLAND CITY Paint and Varnish Works

.. Manufacturers of ..

READY MIXED PAINTS and
FINE COACH VARNISHES.

WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.
WORKS 274 St. Patrick St., MONTREAL.

STOVE BOLTS TIRE BOLTS RIVETS

WRITE FOR PRICES.

**CHALCRAFT
SCREW CO.**
BRANTFORD, ONT.

THE New White Metal Polish "Nanon"

The Queen of Polishes.

Imparts instantaneously a dazzling and lasting

BRILLIANCY

to Brass, Tin, Nickel, Zinc, Gold, Silver, etc. Free from grit or emery, and will not scratch the finest surface.

Samples on Application.

LAMPLOUGH & McNAUGHTON
Montreal

Sole Agents for Canada.

The Canadian Mining Exhibit Co., Limited

Will give you any information in reference to Mines or Minerals found in your district.

Assays made by their own Assayers

If you have or know of any Minerals you do not know the value of, send Samples to us, and we will let you know whether it is worth anything to you.

Mining Properties Valued by Experts

THE
CANADIAN MINING EXHIBIT CO., Limited
650 Craig Street ... MONTREAL.

AN INVITATION . . .

is cordially tendered to the trade to visit our

MAGNIFICENT DISPLAY
AT **TORONTO EXPOSITION**

where everything in our line is shown.

PEDLAR METAL ROOFING CO., OSHAWA, ONT.

MANCHESTER SHIP CANAL.

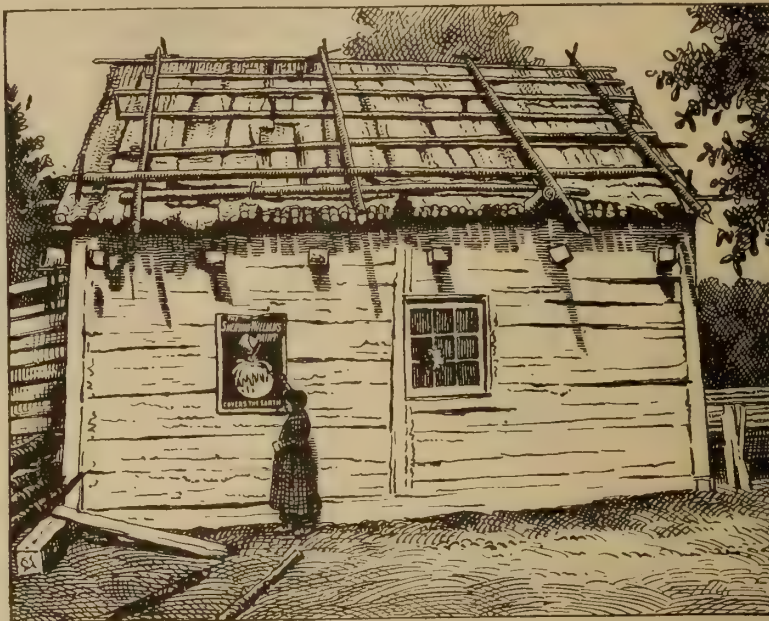
THE proprietors of the Manchester ship canal have not had too much joy in their lives, and therefore we ought not to begrudge them such cheer as they were able to derive from their position through the instrumentality of Mr. J. K. Bythell, at Thursday's meeting. And really the canal does almost look like picking up a little. The weight of seaborne merchandise dealt with during the first half of last year was 783,000 tons; during the half year just concluded it was 980,000 tons, an increase of 197,000. The canal department during the first half of last year brought a debit balance of £894; this year it brought a credit balance of £20,573. The profits of the Bridgewater were £20,007 last year and £21,706 this. And so forth. Thus we shall be very much surprised if the year 1898, taken as a whole, does not enable the canal to pay the £89,846 interest on the first and second debentures, and in addition a small amount to the Manchester Corporation. Moreover, Mr. Bythell is convinced that the grain elevator will have a very powerful influence in drawing traffic to Manchester. He tells us that millers and merchants who are taking delivery of grain in Manchester were greatly delighted with the promptitude with which the grain is delivered. The import of cotton during the season just ended, shows a substantial increase, and, with anything like assistance from spinners, there ought to be a very large increase this year. But, of course, what everybody is looking for is increased shipping facilities, and in this connection it is satisfactory to know that The Manchester Liners Co. have a large fleet on the stocks, and, in the meantime, has bought two steamers. Sir Christopher Furness has also put two

steamers on the service, on his own account, in order to keep the Canadian trade. Moreover, the barge traffic is increasing satisfactorily. Altogether, without being unduly optimistic, we think that the prospects of the canal are as favorable as they ever have been. Perhaps that is not saying very much, but it is saying something.—Commerce.

The latitude is 59° 55'. The hut is the abode of the celebrated Chipewyan Indian chief, Rainbow, and the girl shown in the cut is half Indian and half Eskimo, known as a "Heeky."

NEW HARDWARE FIRM.

Ottawa is about to have a new wholesale hardware firm in Borbridge & Dingman,

**PAINT IN THE KLONDYKE.**

The Sherwin-Williams paints have been forced before the attention of the public in all parts of this continent. As an example of the enterprise with which this business is advertised, we print the above illustration. It shows one of their famous posters, stuck on an Eskimo hut at Fort Churchill, Hudson Bay. Fort Churchill is one of the most northern inhabited points on the continent.

who will carry structural iron, dairy and machinery supplies, and general hardware. The new firm have taken the premises, 52 Queen street, and expect to get to business almost immediately.

It is expected that the Jenckes Machine Co.'s works, Sherbrooke, Que., part of which were destroyed by fire on Aug. 13, will be in full running order in a few days.

WE CAN FURNISH

Repair Plates for all makes of Stoves, Ranges and Heaters

of the late firms of J. M. Williamson & Co., Hamilton; Hart, Smith Mfg. Co., Belleville; Toronto Stove Mfg. Co., Toronto; John Findlay & Son, Montreal, and all bearing our name.

Wm. Clendinneng & Son - St. Cunegonde, Montreal.

IRON FOUNDERS AND STOVE MANUFACTURERS.

YOU WILL FIND the style of

Leather Trucks.
Push Carts.
Bacon Trucks.
Bag Holders.
Baggage Barrows.
Barrel Trucks.
Book Trucks.
Box Trucks.
Brick Cars.
Canning House Trucks
Carpet Trucks
Cheese Trucks.
Dry Goods Trucks.
Express Wagons.
Feed Trucks.
Fruit Trucks.
Hotel Trucks.
Pipe Dollies.
Timber Dollies.
Skids.
Tram Cars.



P.S.—Still selling the
old reliable

Fairbanks Standard Scales.

TRUCK

which will
handle your goods to best ad-
vantage shown in our catalogue.

Pick out the one you want
and we will quote our lowest
price by return mail.

THE
Fairbanks Company

749 Craig Street,

... Montreal

ADAM HOPE & CO.

30 John Street, - Hamilton

PIG IRON, "HASELTON"
CANADA PLATES

HALF POLISHED
ALL POLISHED

TIN PLATES

RUSSIA IRON

GALVANIZED SHEET IRON

"QUEEN'S HEAD"
"JUNIATA"

RUSSIA IRON

COPPER SHEETS

PIG TIN. LAKE COPPER

MONTANA COPPER. SPELTER

ANTIMONY, ETC.

Write for Prices

If you want the straightest and
most durable **Rawhide Whips**
in the market, order our

Napoleon and Monarch

WHIPS

Every Whip Guaranteed.

Patented and made only by . . .

HAMILTON WHIP CO.

119, 121, 123 Mary St., HAMILTON.

Cheap Whips of Every Style.

"For the Names' Sake."

You need never fear that those
Painters' Brushes bearing the
name "Boeckh" stamped on the
handle will accumulate in the
"back store," and clog the wheels
of business by becoming dead
stock — Boeckh's name itself is
proof against any such emergency.
It has stood the test of nearly half
a century.

"I'll take that brush," the
painter says, without a word of
argument from you—he takes
it "for the names' sake." And, too,
each brush is neatly boxed,
ensuring protection from dirt,
dust and moths.

Part one of our illustrated catalogue tells you more about

Boeckh Bros. & Company

Mfrs.

Toronto, Ont.

Montreal Branch, 1 and 3 De Bresoles St.

Agencies at Winnipeg, Vancouver,
Halifax, Glasgow.

**Boeckhs'
Painters
Brushes.**

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Sept. 1, 1898.

HARDWARE.

THERE have been no striking features in the general hardware situation during the past week, and prices, as a rule, remain as they were last quoted. What movement there is, is chiefly confined to cut nails, horsenails, screws and bolts. Other lines, while contributing something to the current volume of business are on the quiet side.

BARB WIRE—There has been no change in this line, trading being absolutely lifeless. The basis on spot is unchanged at \$2.

PLAIN WIRE—Business in fence wire is dull, but there is a fair enquiry for hay-baling. Discounts are unchanged: Oiled and annealed, 40 per cent., and galvanized, 35 per cent.

WIRE NAILS—The firmer values in the United States have not affected Canadian prices, in which cutting is still reported. Demand is rather inactive, and we quote \$1.75 f.o.b. Montreal.

CUT NAILS—There is little activity to

report, either from first or second hands, only a few small lots moving. We quote \$1.70 f.o.b. Montreal.

HORSE NAILS—Small orders for these keep coming in, and discounts are steady at 50 per cent. on standard and 50 and 20 on Acadia brand.

HORSESHOES—There has been a moderate demand for these. We quote: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35.

SCREWS—There is a good demand for these, in a small way. Discounts are as follows: Flat head bright, 87½; round head do., 80; flat head, brass, 82½; and 10; round head brass, 75. Machine screws, iron and brass, flat head, discount 25 per cent.; round head, 20 per cent.; coach screws, 75.

BOLTS—There is a fair jobbing enquiry for these. Discounts are as follows: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65

and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS—A quiet, steady trade is doing. Discounts are as follows: Iron, black and tinned, all sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Trade quiet and prices unchanged. We quote: Sisal, 7-16 and up, 10½c.; ¾, 11c.; 5-16 and ¼, 11½c., and 3-16, 12c.; manilla, 7-16, 12¾c.; ¾, 13¼c.; 5-16 and ¼, 13¾c., and 3-16, 14¼c.

HINGES—A moderate demand is experienced. We quote as follows: 6 to 12 inch, \$3.15 per 100 lb.; 14 inch, \$2.35; T and strap, 70 and 10 per cent., and screen door, \$6.50 per gross pair.

SPADES AND SHOVELS—Trade remains much the same in these. Jobbers find themselves short of some lines, but hope to have stocks better assorted by the close of this week. Discounts are 40 and 10 per cent.

BUILDING PAPER—There is little to report. We quote: "Good Luck" fibre tarred, 45c.; dried, 35c.; "Shield" brand,

LONDON, ONT., August 31, 1898.

WE WRITE OUR CUSTOMERS to make our offices their headquarters during the Toronto and London Fairs.

Our District Travellers will be on hand to assist entertain you and provide any information you may require.

We have the largest plant in Canada for the manufacture of goods and materials for the STOVE, TIN AND FURNACE TRADES.

*IF YOU WANT YOUR GOODS QUICK,
ORDER FROM McCLARY'S*

THE McCLARY MANUFACTURING CO.

London, Toronto, Montreal, Winnipeg and Vancouver.

APOLLO BEST BLOOM
GALVANIZED IRON.

Apollo galvanized iron is work-
able—saves a good deal in time.

It is alone. It is guaranteed
to be so.

Apollo Iron and Steel Company
Vandergrift Building
Pittsburgh, Pennsylvania.

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

ROLLING MILLS

.. MONTREAL

MERCHANT BAR IRON—

	BRAND
Best Refined Bar Iron	AVB
" " Rivet Iron	AVB
" " Horseshoe Iron	
Ex. Best " Bar Iron	AXB
" " Rivet Iron	AXB
" " Stay Bolt Iron	AXB
" " Hammered Iron	AHB
" " Charcoal Iron	ACB

Tyre, Sleigh Shoe,
Axe and Rivet STEEL.

CANADA IRON FURNACE CO.,

Manufacturers of Limited.

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE
RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

sheathing, tarred, 27c.; dried, 22c.;
"Dominion" brand, tarred roofing felt,
\$1.10.

CEMENT—There has been a fair enquiry
for cement. We quote: Belgian, \$1.85 to
\$2.05; German, \$2.35 to \$2.50, and
English, \$2.25 to \$2.35.

FIREBRICKS—In fair demand, at \$16 to
\$21 per 1,000, as to brand.

METALS.

Continued strength in tin and copper is
the feature of the heavy iron and metal
market. Pig iron in the United States has
advanced, but the fact has not affected spot
prices, though they rule firm.

PIG IRON—The market here has ruled
quiet and steady during the past week. We
quote: No. 1 Hamilton, \$15 to \$15.50;
No. 2, \$14.50; Ferrona, \$14.50 to \$15;
Siemens, \$14.50 to \$15, and Summerlee
and equal brands, \$17, ex wharf, and \$18
to \$18.50 ex yard.

BAR IRON—There has been more enquiry
for bar iron and values are rather firmer.
We quote \$1.35 to \$1.40.

HOOPS AND BANDS—Very little doing,
and values steady at \$1.75 to \$2.

SHEET STEEL—There is a quiet, steady
enquiry for this line. We quote: 14 gauge,
\$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to
20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and
28, \$2.80.

SHEET IRON—Trade is fair, but of a narrow
jobbing kind. We quote: \$2.15 on 10 to 16
gauge; \$2 on 18 to 20 gauge; \$2.10 on 22
to 24 gauge; \$2.20 on 26 gauge, and \$2.25
on 28 gauge.

GALVANIZED IRON—There is a fair
demand at steady prices. We quote as
follows: "Queen's Head," No. 28, \$4.10
to \$4.15, and "Comet," \$3.75.

INGOT COPPER—The firm tendency of
this metal is quite marked, and prices have
an upward tendency. We quote 13c.

SHEET COPPER—There is a fair demand,
and values are stiff at the rise. We quote:
16-oz. at 16c., and 14-oz. at 17c.; tinned
copper, 16-oz., 18c., and 14-oz., 18½c.

INGOT TIN—There is a fair demand at
the rise, and we quote "Straits" 18c., and
"Lamb" and "Flag" 18½c.

PIG LEAD—Business dull and prices
steady at \$3.80.

IRON PIPE—There is a steady jobbing
demand. We quote as follows: Black
pipe, ¼-inch and ¾-inch, \$1.90;
½-inch, \$2.15; ¾-inch, \$2.55; 1-inch,
\$3.55; 1¼-inch, \$4.70; 1½-inch, \$6.10,
and 2-inch, \$8.20. Galvanized, ½-inch,
\$3.75; ¾-inch, \$4.50; 1-inch, \$6.30;
1¼-inch, \$8.65; 1½-inch, \$11, and 2-
inch, \$15.

LEAD PIPE—As last reported, lead pipe
7c., and composition waste 7½c., with 25
per cent. discount.

**Anvils and.....
Vises**

A full stock
carried of

HENRY WRIGHT & CO.'S MAKE

which are second to none in quality, of best patterns,
and right in price.

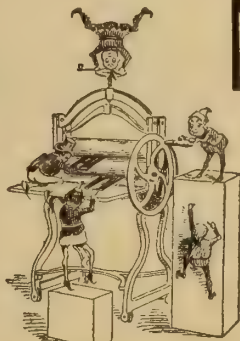
A. C. LESLIE & CO.
Iron, Steel and Metal Merchants
Montreal.

**"GREENING'S
Cow Ties."**

These Cow Ties have stood the test for years.
Undoubtedly the best and strongest on the
market. . .
It will pay to handle only the best.
A complete line of all sizes ready for shipment.
For sale by all jobbers.

The B. Greening Wire Co.
LIMITED
MONTREAL AND HAMILTON.

Mangles



Always in season,
but especially so
in hot weather.
Three different
kinds—send for
Catalogue.
Should be univer-
sally used.

THE DOWSWELL MANUFACTURING CO., Limited
Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers,
Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

CANADA PLATES—There is a fair demand for these and western jobbers have been buyers in the market during the week. We quote: 52's, \$2.15 to \$2.20; 60's \$2.30, and 75's \$2.40 to \$2.45. Full polished, \$3.

TIN PLATE—There is a steady enquiry for these. We quote as follows: Coke, I. C., \$2.90 to \$3.25; charcoal, I. C., Allaway or Comet brands, \$3.25; do, I. X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I. C., \$3.95; do, I. X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Enquiry for these has been more noticeable. Prices are firm at \$6 to \$6.25.

COIL CHAIN—There is a fair demand for small lots. We quote: $\frac{1}{4}$ -inch, \$5; 5-16, \$3.50; $\frac{3}{8}$, \$3.25; 7-16, \$3.15; $\frac{1}{2}$ -inch, \$3, and $\frac{5}{8}$ up, \$2.85.

SHEET ZINC—A moderate trade is noted, while prices are firm at $5\frac{3}{4}$ to 6c.

SOLDER—Steady, with a fair demand.

ANTIMONY—Some cask lots have sold at 9 $\frac{1}{2}$, but small quantities necessitate an advance on this figure.

SPELTER—Unchanged at \$5.40 to \$5.50.

GLASS.

The firm feeling abroad is fully maintained. Demand here is on the increase. We quote: First break, \$1.50; second, \$1.60 per 50 feet; first break per 100 feet, \$2.80; second, \$3; third, \$3.30; fourth, \$3.50; fifth, \$3.70; sixth, \$4.25, and seventh, \$4.75.

PAINTS AND OILS.

The situation in this line is unchanged from last week. The signs of improvement are developing, and some factories are fairly busy. Prices are firm and unchanged.

WHITE LEAD—Best brands, Government standard, \$5.62 $\frac{1}{2}$; No. 1, \$5.25; No. 2, \$4.87 $\frac{1}{2}$; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4 $\frac{1}{2}$ c.; kegs, 4 $\frac{3}{4}$ c.; No. 1, casks, 4 $\frac{1}{4}$ c.; kegs, 4 $\frac{1}{2}$ c.

WHITE ZINC PAINT—Pure, 6 $\frac{1}{2}$ c.; No. 1, 5 $\frac{3}{4}$ c.; No. 2, 5c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 48c.; boiled, 51c., five-barrel lots one cent less net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 45c.; large lots, 1c. less, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8 $\frac{1}{4}$ to 8 $\frac{1}{2}$ c.

SEAL OIL—37 to 40c.

COD OIL—Supplies light, and prices firm at 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4 $\frac{1}{2}$ to 5 $\frac{1}{2}$ c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

There is a quiet business. Lambskins are firm at 40c., and beef hides are steady: No. 1, 9c.; No. 2, 8c.; and No. 3, 7c.

PETROLEUM.

Business fair and values firm. We quote: Canadian in small lots, 14c.; Crown Acme, 16c.; American prime white, 17c.; water white, 18c.; Pratt's astral, 19 $\frac{1}{2}$ c.

MONTREAL NOTES.

J. Burns & Co. sold a large nine-foot range to the Bellevue Convent, Quebec; also a large range to the Hospital of St. Charles, Ottawa, and the Bodega restaurant, Montréal.

The Rivington Cutlery Co., of Montreal, is rushing a large Government order of table cutlery for the various military schools in Canada. This is the second order this firm has received from the Government since March last.

ONTARIO MARKETS.

TORONTO, Sept. 2, 1898.

HARDWARE.

THE Industrial Exhibition in Toronto now being open, some of the houses have their traveling staff in the warehouse, but, in spite of this fact, there is a good business being done through letter orders and travelers who have not yet come into town. There have been a number of country merchants in during the week, and a fair business has been done in this way. It will not be till next week, however, that most of the merchants come into the city. Quite a few who have been in during the week have been wholly on business bent, for they return to their homes without having visited the Exhibition. The demand for sporting goods, such as guns, rifles and ammunition, is still the chief feature of the wholesale trade. A nice business is to be noted in cutlery. Wire nails are hardly in as good demand as there were, and there is very little doing in cut nails. An improved business is to be noted in horse nails, and quite a few orders have been received for horseshoes. Trade in screws does not appear to be as brisk as a week ago. Bolts are still going out well. A few orders are reported for building. About the only change in prices is an advance in rope and leather halters.

BARB WIRE—This line is practically without interest at the moment, and quotations are as before. We quote: Four point, \$1.85 f.o.b. Toronto and London, and two point at \$1.90. Terms, 30 days or 2 per

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

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Capital - - -	1,000,000.00
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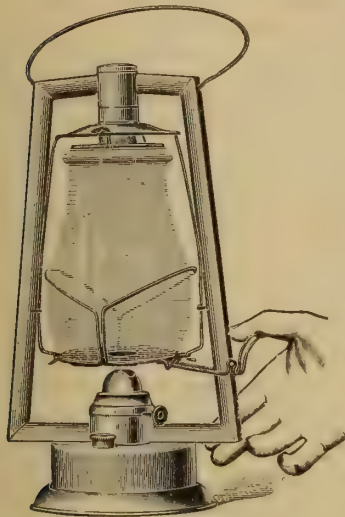
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BRIGHT WIRE GOODS

STEEL and BRASS JACK CHAIN

"CRESCENT" COAT and HAT HOOKS

Ask for "Dominion" Goods.

Guarantee
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cent 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—Fencing wire is still dull, but there is a little doing in hay-baling wire. Discounts are as follows: Annealed, oiled and annealed, 35 per cent.; galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 35 per cent.

WIRE NAILS—Trade can hardly be said to be as good as it was a week ago, although a fair quantity is moving for this time of the year. We quote \$1.80 Toronto, for ordinary quantities.

CUT NAILS—Trade during the week has been slow. Prices are unchanged, the base price being \$1.75 per keg, Toronto, Montreal, Hamilton, London.

HORSE NAILS—A larger business has been done during the week, in both the cheaper and higher priced descriptions. Discounts are: Standard, 50 per cent.; Acadia, 50 and 20 per cent.

HORSESHOES—Quite a few orders have been received during the week, mostly for the iron shoes. We quote: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—Trade remains fairly active, although the quantities moving are not as large as they have been. Discounts are as follows: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—Trade continues fairly satisfactory, particularly in carriage, coach, and machine screws. We quote as follows: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¼c.; hexagon, 5¼c.

RIVETS AND BURRS—There is just a moderate trade doing, at unchanged prices. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—Business has been a little better this week, with a demand most for the smaller sizes. There is no change in prices.

We quote: Sisal, 7-16 in. and larger, 10½c.; ¾ in., 11c.; ¼ and 5-16 in., 11½c.; Manilla, 7-16 in. and larger, 13c.; ¾ in., 13½c.; ¼ and 5-16 in., 14c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—There has been an advance in rope and leather halters, and business in these lines is beginning to pick up, while orders booked some time ago are being delivered. We quote: Rope halters, ¾ in., \$8.25 to \$8.50 per gross; ½ in., \$9.25 to \$9.50; 5/8 in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—Trade, during the past week, has been quiet. We quote discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—There is very little doing. We quote: "New Leader" "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50.

BELTING—Trade has fallen off considerably during the past week. An improvement, however, is expected in a week or two. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

HINGES—A nice steady trade is reported. We quote: 6 to 12 inch, inclusive, at \$3.15 per 100 lb., and 14-inch and upwards at \$2.35; light T and strap, 70 and 10 per cent.; screen door hinges, \$6.50 per gross pair.

SPADES, SHOVELS AND GRAIN SCOOPS—Trade in spades and shovels is slow. There is, however, a demand for grain scoops, but there is scarcity of these. Discount 40 and 10 to 45 and 2½.

BUILDING PAPER—A few good orders have been received, but in general trade has been quiet. We quote: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred; asbestos paper, 6½c. per lb.

CEMENT—The demand continues large, and prices are firm. We quote as follows in barrel lots: Canadian Portland, \$2.70 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.35 to \$2.50; Canadian hydraulic cements, \$1.00 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

SPORTING GOODS—The demand for guns,

rifles and ammunition, during the past week, has been good, although the rush is over as far as trade on Northwest account is concerned. The season has, so far, been one of the best the trade has experienced in this particular line.

CUTLERY—Demand is fairly active. A great deal of table cutlery and some carvers are selling. Stocks throughout the country appear to be light and a good fall trade is anticipated.

METALS.

Zinc, spelter, and solder are all dearer. Copper is firm. Tin is a little easier. In other lines the market is much as before.

PIG IRON—The market is steady, but we hear of no business. We quote: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$11.80 per ton; No. 2 ditto, \$11.55; No. 1 Northern American soft, \$11.80; No. 2 ditto, \$11.55. Hamilton iron, No. 1, in 100-ton lots, \$14, on track Toronto.

BAR IRON—Trade keeps quiet. We quote base price \$1.45 to \$1.55 from stock, and \$1.35 to \$1.45 from factory.

HOOP AND BAND IRON—Considerable improvement in business is to be noted this week. We quote: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—Trade is fairly satisfactory, but without any striking feature. We quote as follows: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Trade keeps fair. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Business is fair at unchanged prices. We quote as follows: Queen's Head (case lots), 16 gauge, 3¾c.; 18 to 24, \$3.87½c.; 26, 4¼c.; W. G. 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, \$4; 26 gauge, \$3.75; 22 to 24 gauge, \$3.50. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are ¼c. per lb. higher than figures named.

INGOT COPPER—The market is firm, but the movement is still slow. We quote: 13c. for quantities and 13½c. for small lots.

INGOT TIN—A fair amount has changed

hands. We quote: Straits, 18½c. per lb.; Lamb and Flag, 19c. per lb.

SHEATHING COPPER, ETC.—There is not a great deal doing: We quote: Sheathing Copper, 15½ to 16½c., according to weight and quantity; braziers', 15½ to 17½c. per lb., according to gauge.

PIG LEAD—No large sales are reported. We quote: 4 to 4¼c. for imported and 3½c. for domestic.

IRON PIPE—There has been quite a demand for this during the week. Stocks are low, but fresh shipments are near at hand. We quote: Black pipe, per 100 feet, ¼ to ¾ inch, \$2 to \$2.05; ½ inch, \$2.15 to \$2.20; ¾ inch, \$2.62½; 1 inch, \$3.60; 1¼ inch, \$4.75; 1½ inch, \$6.20; 2 inch, \$8.30. Galvanized, ½ inch, \$3.50 to \$3.80; ¾ inch, \$4.20 to \$4.60; 1 inch, \$5.85 to \$6.20; 1¼ inch, \$8.05 to \$8.25; 1½ inch, \$11 to \$11.25.

RANGE BOILERS—Business is much as before. We quote: Galvanized, 30 gals., \$5.25 to \$5.50; 35 gal., \$6.25 to \$6.50; 40 gal., \$7.25 to \$7.50; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES most of the import orders were delivered to their destinations during the week. Shipments from stock are, therefore, naturally only in small quantities. Quotations are: Half-polished, 52-sheet boxes, \$2.35; ditto, 60-sheet boxes, \$2.40; dull, 75-sheet boxes, \$2.50; ditto, "Alaska," \$3.

TINPLATES—The demand is not as good as it was, but stocks are in pretty good shape. We quote as follows: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

COIL CHAIN—There is a little better movement than a week ago, although the volume of business is still rather light. We quote: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ⅝ in., \$2.80; ¾ in., \$2.75.

TINNED IRON—Business is just moderate. We quote: In case lots for 22 to 24 gauge, and 2¾c. in lesser quantities; cut to size, 24 gauge, case lots, 4¾c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6¼c. for small lots.


SHEET ZINC—A further advance has taken place, quotations being ¼c. higher than a week ago. Cask lots 6c. per lb. and small quantities 6¼c.

SOLDER—Quite a fair quantity is moving. Strictly half-and-half, 12½c.; small lots, 13c.; standard, 11½ to 12c. per lb.

ANTIMONY—Scarcely anything doing. We quote as follows: Cookson's, cask lots, 10½c.; smaller quantities, 11c.; other makes, 8½ to 9c.

ZINC SPELTER—A few fair orders were

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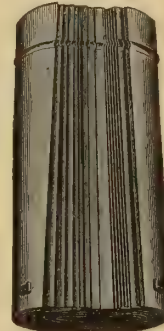
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E. F. WALTER & CO.
MONTREAL

received during the week, but, in general, trade has been slow. Prices are, however, $\frac{3}{8}$ c. higher. We quote $5\frac{3}{8}$ c. for ton lots, and $5\frac{3}{8}$ c. for small quantities.

PAINTS AND OILS.

There is very little movement in turpentine, oils or liquid paints. The sale of white lead is larger than usual at this time of the year. Varnishes, especially coach varnishes, are also in good demand. There is no change in prices. The feeling in regard to all stock is firm. We quote:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37 $\frac{1}{2}$; No. 2, \$5.00; No. 3, \$4.62 $\frac{1}{2}$; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 bs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6 $\frac{1}{2}$ c.; orange mineral, 6 $\frac{1}{2}$ to 7 $\frac{1}{2}$ c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37 $\frac{1}{2}$ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9 $\frac{1}{2}$ c. per lb. and 10 $\frac{1}{2}$ c. for single tins; United States, in cases, 8 $\frac{1}{2}$ c., and 9 $\frac{1}{2}$ c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 49c.; boiled, 1 to 4 barrels, 52c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 46c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

OLD MATERIAL

Prices are firm, and under pressure of competition, will be advanced. We quote as follows: Agricultural scrap, 47 $\frac{1}{2}$ c. per cwt.; machinery cast, 55c. per cwt.; stove cast scrap, 32c.; No. 1 wrought scrap, 40 to 50c. per 100 lb.; No. 2, including

sheet iron and hoop iron, 10 $\frac{1}{2}$ c.; new light scrap copper, 7 $\frac{1}{4}$ c. per lb.; bottoms, 7c.; heavy copper, 7 $\frac{1}{2}$ to 8c.; light scrap brass, 4 to 4 $\frac{1}{2}$ c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2 $\frac{3}{8}$ to 2 $\frac{3}{4}$ c.; zinc, 2c.; scrap rubber, 3 $\frac{1}{2}$ to 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

GLASS.

There is an excellent movement in glass. Few complaints are made of the high prices, the trade taking them as a matter of course. This is looked upon by dealers as an indication of good times. We quote: First break in 50-foot boxes, \$1.60, and in 100-foot boxes, \$3; double diamond, under 25 united inches, \$4.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

HIDES, SKINS AND WOOL.

HIDES—As a result of the weak feeling noted last week, prices have dropped $\frac{1}{4}$ c. all round. We quote as follows: No. 1, 8 $\frac{3}{4}$ c.; No. 2, 7 $\frac{3}{4}$ c.; No. 3, 6 $\frac{3}{4}$ c.; cured, 9 $\frac{1}{4}$ c.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—An advance of 10c. is noted this week for lambskins and shearlings, bringing the price to 60c., as compared with 40c. a month ago and 20 to 30c. two months ago. This time last year the price was 50c.

WOOL—The situation continues as it has been nearly all season. Dealers quote prices unchanged, but holders persist that the market is worth more. Prices are unchanged at 10c. for unwashed and 16c. for fleece.

SEEDS.

There is a free offering of alsike, and prices have declined about 30c. a bushel all round. There is such a wide range of values that from \$2.50 to \$4.25 is quoted. For extra fancy stock a little more than this figure may be received.

COAL.

There is no change yet noted in prices, but the demand is firm, and an advance may occur shortly. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

PETROLEUM.

The demand is commencing to assume considerable proportions, and prices are firm. We quote at Toronto: Canadian, 13 $\frac{1}{2}$ c.; Sarnia water white, 15c.; American water white, 16 $\frac{1}{2}$ c.; Pratt's astral, 16c., in bulk.

MARKET NOTES.

Rope and leather halters are both materially dearer.

Sheet zinc is $\frac{1}{4}$ c. per lb. dearer, at 6c. for cask lots.

Zinc spelter is quoted $\frac{3}{8}$ c. higher, at 5 $\frac{3}{8}$ c. for ton lots and 5 $\frac{1}{8}$ c. for smaller quantities.

The John Bowman Hardware & Coal Co., of London, have just received into stock via German steamer, large supplies of window glass and can fill all orders promptly.

BERTRAM ENGINE WORKS BURNED.

EARLY Friday morning, the works of The Bertram Engine Works Co., Limited, were partially destroyed by fire, causing a loss estimated at \$150,000. The amount of the insurance is not definitely known.

The fire started in the carpenter shop, a large wooden building devoted to the construction of the woodwork of ships, which building was entirely destroyed, together with much valuable machinery and tools. The flames then spread to the company's docks, destroying one and part of another. At the end of one of these docks the new steamer Toronto, for the Richelieu and Ontario Navigation Co., was moored. This steamer is valued at \$250,000, and was almost completed. The flames spread from the dock to it, but the woodwork was quite green, and the boat was towed out into the bay by a tug before much damage was done. A large quantity of lumber in the yards was destroyed.

The fire protection afforded The Bertram Works has long been insufficient, the nearest hydrant being over 1,200 feet away. Application had been made to the Toronto city council for better protection, and, after some time had been lost in discussing the matter, it was decided to put down some hydrants. The pipes are now in the yards ready to be put down. The cause of the fire is considered to be spontaneous combustion.

BETTER THAN TRADING STAMPS.

A Chicago electric company builds a machine something on the principle of a cash register. It provides a method of giving five per cent. rebate to the customer that possesses many advantages over the trading stamp scheme. It has sixteen keys, representing various amounts, from twenty-five cents to six dollars. The cashier, upon receiving payment for any purchase, presses down the key which represents the amount of the purchase. The device is such that the twentieth strike of each key rings an electric gong. When this gong rings the money is refunded, with the purchase, to the purchaser. Thus the merchant gives away every twentieth purchase at fifty cents, at one dollar, etc. Some dealers using it place an immense gong on the street, connected by wire with the indicator on the inside, and when a customer receives a gift the fact is proclaimed for a block up and down the street.—Advertising World.

THE BOWMAN CO.'S INVITATION.

The John Bowman Hardware & Coal Co., of London, invites its friends and patrons to visit its extensive warehouse during the Western Fair. The company will have pleasure in showing the new sample-rooms, its stock of guns, rifles, cutlery, silverware and general hardware. If in London, give the company a call.

WOOD, VALLANCE & CO.

Hardware
Merchants

.....HAMILTON

A large assortment on hand of

Boker's Skates

Numbers 5, 6, 7, 9, 10, 116, 510½, 511, 514, 531, 532, 541, 542

BOKER'S JACK KNIVES

BOKER'S POCKET KNIVES

BOKER'S KITCHEN KNIVES

BOKER'S RAZORS

BOKER'S SCISSORS

"ALEXANDER" ENAMELLED
MEAT CUTTERS.

Prices on application.

HENRY BOKER'S CELEBRATED SKATES



Unequalled for Quality, Finish, Style and Price.

SKELETON PATTERNS.

VICTORIA CLUB,

CANADIAN BELLE,

LADIES' GEM.

HOCKEY PATTERNS.

ECLIPSE, JUBILEE, ROYAL CANADIAN, HOCKEY KING, JANUS.

RACING PATTERNS.

RACE KING,

VICTOR RACER,

NORWEGIAN.

SPECIAL AGENTS

CAVERHILL, LEARMONT & CO.,

Wholesale
Hardware
Merchants,

MONTREAL

TRADE CHAT.

MR. J. McGAW, hardware merchant, of Markham, has made quite an improvement in his place of business. He has replaced the cardboard boxes, which held the goods upon the shelves, with hardwood boxes or drawers. They being oil-finished give the store a clean, bright, up-to-date appearance.

It is reported that copper has been discovered near Wickham, Que.

There are 254 hands employed in the various factories in Woodstock, N.B.

Binder twine is being manufactured in North Dakota, of north-western swamp grass.

It is reported a company is being formed in Montreal for the purpose of manufacturing cutlery of all kinds.

Alex. Watson's tinsmith shop in Woodstock, Ont., was burned on Tuesday morning, causing a loss of \$900.

Wm. T. Powers, of Sheridan & Powers, tinsmiths and stove dealers, Brockville, Ont., died of consumption on Monday. He was unmarried.

G. W. Green, who recommenced operations in White's foundry and machine shop, Peterboro', Ont., some weeks ago, has been rushed with business ever since.

While Henry Living, hardware merchant, Bank street, Ottawa, was getting a can of coal oil in his cellar for a stranger, the latter leaned over and picked his till, securing \$22.

The additions to The MacGregor-Gourlay Co., Galt, necessary to accommodate the plant this firm lately purchased from The London Tool and Machine Co., are so extensive that employment will be furnished to 300 men.

On Sunday morning the warehouse of Parmenter, Bullock & Co., Limited, manufacturers of copper and iron rivets, was totally destroyed by fire. The loss is estimated at \$25,000, totally covered by insurance.

An interesting calculation has been made which shows that a pound of good coal equals the work of one man for one day. One square mile of a seam of coal only four feet deep would exceed the work of 1,000,000 men for 20 years.

The liabilities of Douglas Bros., roofers, Toronto, who assigned recently, are placed at \$14,000 and the assets at \$11,057, consisting of stock, \$4,338; plant, \$4,210, and accounts, \$2,009. Of the liabilities, \$1,700 are secured and \$1,073 preferred.

Jas. A. Stovel, hardware merchant, Edmonton, N.W.T., is building a new store, 60x25 feet, next to his present stand. It

will be a two-storey frame structure, with a plate glass front. Mr. Stovel will occupy the new store when it is finished.

J. H. Still's handle factory, and the St. Thomas Pipe and Foundry Co.'s building in St. Thomas, Ont., were destroyed by fire. Mr. Still's loss was \$50,000; his insurance \$9,700. The pipe and foundry company lost \$9,700; no insurance. Over 100 men were thrown out of work.

A new plant and modern furnaces are being placed in the building at the corner of Hill and Clarence streets, London, Ont., for

The Canada Smelting and Refining Works. F. T. Trebilcock, of London, will be manager of the new firm, in which is interested The Chicago and Aurora Smelting Works Co. as well as many London capitalists.

The London, Ont., General Electric Co.'s power-house was burned on Monday night, causing a loss estimated at \$25,000. The loss of the power generated here necessitated the closing down of some of the factories in London. Some of the engines have already been repaired, and are running, but it will be some months before everything is as it was.

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

... TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

America's FAMOUS
Washing Machine.

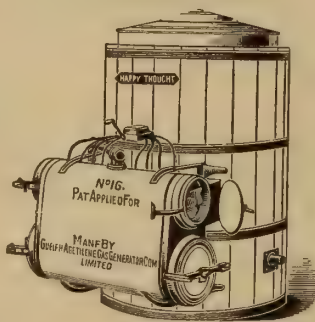
Manufactured by the
Toronto Special Machinery Co.
154 Spadina Ave., Toronto, Ont.

This is the only Practical Washer on the market. Actual trials have proved that it will wash cleaner, more easily and quickly, with less wear on the clothes, than any other machine in use. SEND FOR PRICES AND TERMS TO DEALERS.

SNAP IN PATENTS.

I will sell outright or sell an interest in the manufacture of several useful inventions in the sheet metal line. The articles show a good profit and are saleable everywhere. This is a snap. Manufacturers make a note and write

O. A. SMITH,
Clarkston, Mich., U.S.A.

**ACETYLENE GAS**

Perfect Light Perfect Safety

Our Machine is Automatic. Safe.

Sold only through the local Hardware and Plumbing Trades, etc.

No Peddling. Write Us.

THE GUELPH ACETYLENE GAS CO.
Limited
GUELPH, ONT.

ACETYLENE GAS THE COMING LIGHT

The **CLIFF=WARDLAW** Generator is the only absolutely automatic Gas Machine in the market. It is safe, clean, economical, easy to operate, never heats nor allows the burners to clog.

MANUFACTURED ONLY BY

THE SAFETY LIGHT AND HEAT CO.,
DUNDAS, ONT.

Write for one of their booklets.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplate, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

Good Luck

**Dry Fibre Brand of
Felt Sheeting**

Manufactured by

LOCKERBY & McCOMB

Manufacturers of

All Kinds of Roofing Paper

Pitch and Coal Tar

**65 Shannon Street
..... MONTREAL**



VanTuyl & Fairbank

Petrolia, Ont.

Headquarters for . .

**Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.**

SPORTSMEN

NOTE

THE ABBEY IMPROVED CHILLED SHOT

NEWCASTLE, ENGLAND.

Is made by a NEW PROCESS, and is highly spoken of by Sportsmen and Sporting Papers. Kills at greater distance than Soft Shot. Gunmakers wishing repeat orders should load with this shot.

The Portland Rolling Mills Co., Limited

Manufacturers of

**Refined Bar Iron
Railway Spikes
Pressed Spikes
Nails and Tacks
"Diamond" Brand Horse Shoes**

ST. JOHN, N.B.



**ONE
DOLLAR
A
YEAR**

★
Sample
Copy
Free

★
D. T. Mallett
Publisher
271 Broadway
New York



"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

**A. B. JARDINE & CO.
HESPELER, ONT.**

PATENTS PROMPTLY SECURED

Write today for a free copy of our interesting books "Inventors Help" and "How you are swindled." We have extensive experience in the intricate patent laws of 50 foreign countries. Send sketch, model or photo for free advice. **MARION & MARION, Experts.** New York Life Building, Montreal, and Atlantic Building, Washington, D. C.

Standard Goods—

Warranted.

Prices
Always
Right.



THE...

Globe File Mfg. Co.
Port Hope, Ont.

The Forest King

Is the Highest Grade Axe on the Canadian market
Lumbermen prefer it to all others.

Where quality counts, no tools can compete with ours.
Specify "Warnock's."

James Warnock & Co., Galt.

Henderson & Potts

NOVA SCOTIA PAINT AND VARNISH WORKS.

Sole Agents for the Dominion for



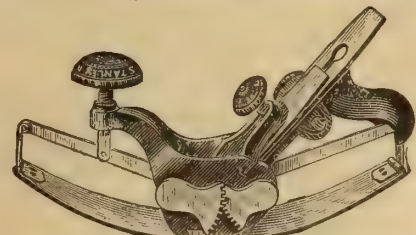
HALIFAX, N. S., and 747 CRAIG STREET, MONTREAL.

IMPROVED
Labor-Saving
**CARPENTERS'
TOOLS.**

STANLEY
RULE & LEVEL CO.
New Britain, Conn.

SOLD BY ALL
Hardware Dealers

Stanley's Adjustable Circular Plane.



This Plane has a Flexible Steel Face, which can be easily shaped to any required arc, either concave or convex, by turning the Knob on the front of the Plane.

No. 113. Adjustable Circular Plane, 1½ in. Cutter, \$4.00

HEATING AND PLUMBING

\$120,000 IN BUILDING PERMITS.

DURING the past week, the following building permits have been issued in Toronto: To The Massey-Harris Co. for a one-storey moulding shop and a two-storey brick core shop on the south side of King street west of Massey street, to cost \$9,000; to James Fox, for a two-storey brick residence on Markham, north of Arthur, to cost \$2,000; to John Kay, Son & Co., for a four-storey warehouse at 36 and 38 King street, to cost \$30,000; to G. C. Watson, for a two-storey residence on Armstrong street near Bloor, to cost \$1,300; to H. M. Pellatt, for a two-storey and attic brick dwelling on Sherbourne, near Carlton street, to cost \$25,000; to the Public School Board, for a two-storey and basement school on Kippindavie avenue near Queen street, to cost \$10,000; for a three-storey and basement school on St. Patrick street near Hackney, to cost \$10,500; for a two-storey and basement school on the north east corner of Shirley and St. Clarens streets, to cost \$9,600, and for a two-storey and basement school on the east side of Berkeley street, near Wilton avenue; to The Trusts Corporation of Ontario for a one-storey and attic brick stable, to cost \$1,500; to Thos. Roden for a two-storey and attic residence on the east side of Rushholme street, near Dewson, to cost \$2,800; to S. F. McKinnon for a one-storey brick stable at rear of 410 Sherbourne street.

PLUMBING AND HEATING NOTES.

The Stratford Ont., Water Supply Co. will commence early next week to increase their water service by laying 3,000 feet of eighteen-inch pipe on the north side of the river, east of the works. A reservoir will be made to contain 9,000 gallons of water, thus making the company's reserve supply over 30,000 gallons.

Laurier & Desjardins, plumbers, Montreal, have dissolved.

UNIQUE STYLE OF SKATES.

The skates advertised by Caverhill, Learmont & Co., commend themselves to the trade, as being specially unique in style. Henry Boker's skates have always commanded a high price on account of their superior quality and finish. The new patterns offered this year are: "Canadian Belle," "Janus," and "Norwegian Racer."

The patent cup brackets make this skate practically indestructible, and the improved top plates (right and left) give security to the

skater. The "Janus" pattern was made with a view of meeting the requirements of goal keepers, as seen by the illustration in the advertisement, it is provided with a puck stop, which insures the stoppage of ground shots. Caverhill, Learmont & Co. report a number of big orders and anticipate the largest skate year on record.

PLUMBING AND HEATING CONTRACTS.

Mr. J. W. Hughes, Montreal, has under way two contracts, namely, the East-End railway station and Her Majesty's Theatre, and the execution of this work speaks well for the enterprise of this firm.

E. C. Mount & Co., Montreal, have contracts for two 7,500-ft. boilers, to be placed in the medical building of McGill University; also the hot water heating of the premises of Lyman, Knox & Co., St. Paul street.

Mashinter & Co., Toronto, have the contract for the plumbing and heating of a residence for H. M. Pellatt, Sherbourne street, Toronto. This job is one of the finest pieces of work undertaken in Toronto for some time. This firm have also contracts for remodeling the plumbing of a residence at 25 Wilton crescent, and for remodeling the plumbing, heating and electric wiring of the Grand Opera House, Toronto, and for the steam heating of the addition to the Miln-Bingham Co.'s printing office on Johnson Lane, Toronto.

MORE SCOPE NEEDED.

When you hire a plumber to do your plumbing, you don't try to teach him his own trade do you? Then why do you try to teach your advertising manager how to conduct his business. If he doesn't know how to advertise get some one who does and let him do it. Business is what you are

after. Don't try to disguise the fact. People know you are not in business for your health.

DAMAGE TO MANTLES IN TRANSIT.

SOME of the leading manufacturers report more or less complaint the past season from customers on account of damage received by mantles in transit, the purchaser in most cases being inclined to lay the trouble to inferior or defective quality of the goods. It seems that such complaints are invariably confined to shipments of small packages of mantles by express, which fact, taken in connection with the well-known tendency of employes of express companies to handle light packages very much as they would a football, clearly demonstrates that the blame for damage in transit lies with the express companies, and not with the manufacturer or shipper in most cases. While it may be hard on the purchaser to be compelled to stand the loss of mantles that fall down when burned off from having been roughly handled by the express company, it would work an equal hardship on the shipper to have to do so. The express companies, of course, are the proper parties to indemnify the purchaser, all shippers' responsibility invariably ceasing with delivery to carrier in good condition. If, through negligence or carelessness on the part of their employes, goods are damaged on reaching the point of delivery, after having been received in good order, the carrier should, and can, be made to indemnify the owner of the goods, the purchaser or party ordering being regarded in law as the owner, unless otherwise specially agreed or arranged. The great difficulty in the case of damage to mantles in shipment lies in the fact that such damage is not manifested generally until the mantles are "burned off" at the time of installing. Any unusual "breakage"

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

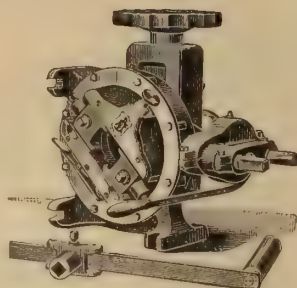
Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.

THE ARMSTRONG MFG. CO.

New York Office.
139 Centre Street

Bridgeport, Conn.



New No. 0 Threading Machine.



SEALED TENDERS, addressed to the undersigned, and endorsed "Tender for Tubular Boilers for the Western Block, Ottawa," will be received at this office until Tuesday the 6th of September, 1898, for the supplying and placing of 4 tubular boilers, in the Western Block, Ottawa.

Plans and specifications can be seen at the Department of Public Works, Ottawa, and tenders will not be considered unless made on the form supplied and signed with the actual signatures of tenderers.

An accepted bank cheque, payable to the order of the Honourable the Minister of Public Works, equal to ten per cent. of amount of tender, must accompany each tender. This cheque will be forfeited if the party decline the contract or fail to complete the work contracted for, and will be returned in case of non-acceptance of tender.

The Department does not bind itself to accept the lowest or any tender.

By order,

E. F. E Roy,
Secretary.

Department of Public Works,
Ottawa, Aug. 23rd, 1898.


Newspapers inserting this advertisement without authority from the Department will not be paid for it.

(36)

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.
Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
Wholesale trade only.

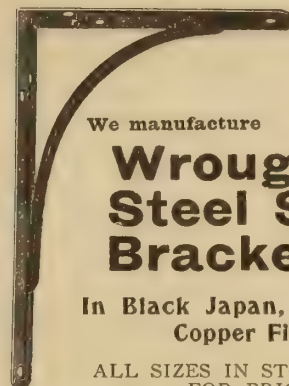
JMT VALVES



Look for this Trade Mark on every valve.

FIRST in Quality Workmanship and Design

THE JAS. MORRISON BRASS MFG. CO.
TORONTO Limited



We manufacture

**Wrought
Steel Shelf
Brackets**

In Black Japan, Nickel and
Copper Finish.

ALL SIZES IN STOCK. SEND
FOR PRICES.

H. R. IVES & CO., Montreal.

HEADQUARTERS for

Syracuse Babbit Metal, Plumbers' and Tin-smiths' Solder, Pig Tin, Pig Lead, Ingot Copper, Ingot Brass, Phosphor Tin and Aluminum.

SYRACUSE SMELTING WORKS

Factory: 332 William Street
MONTREAL

All kinds Scrap Metal taken in exchange.

Factory: SYRACUSE, N.Y.

ACETYLENE GAS FITTINGS

We have the largest supply in Canada on hand of

Pipe, Fittings,

For Acetylene Gas

Brackets,

Get us to quote you

Burners, Etc.

Mechanics Supply Co.

96 St. Peter Street

QUEBEC

22-24 St. James St.

or "falling down" at such time clearly demonstrates rough handling at one stage or another after the mantles leave the factory. The hands employed in mantle factories, as a rule, are skilled and careful workers, always under the watchful eye of the heads of the different departments, and the manufacturers, if reliable, are anxious to have their product reach their customers in perfect condition. It is unquestionably, therefore, the fault of the carrier in most cases if mantles do not arrive at their destination in good condition. It would seem, under the circumstances, that the safest way for the purchaser is to order in large quantities. Those who persist in ordering light packages of mantles by express must not be disappointed if an undue proportion "fall down" at the time of burning off.—Sanitary Plumber.

TO DEVELOP 100,000 HORSE-POWER

The Shawinigan Water and Power Co., which proposes to utilize Shawinigan Falls on the St. Maurice river, 17 miles from Three Rivers, has decided to instal at once a plant capable of developing 100,000 horse-power. The plans have been prepared by T. Pringle & Son, of Montreal, assisted as consulting engineer by W. C. Johnson, of Niagara Falls, N.Y., and the company is now calling for tenders. It is understood

that power will be sold at Three Rivers cheaper than it can be obtained at any other port in the world reached by ocean-going vessels, and also at the falls at a proportionately low figure. A strong company has been formed, with the following directorate: A. F. Gault, Thos. McDougall, Hon. L. J. Forget, P. N. Greenshields, of Montreal, John Joyce, H. H. Melville and J. E. Aldred, of Boston. This company is confident that the advantages which it can offer to manufacturers on a large scale are so great that it will mark an era in the development of the Province of Quebec.

PATENT REPORT.

Below will be found the report of patents recently granted to inventors in our line of business. This report is prepared specially for this paper by Marion & Marion, solicitors of patents and experts, New York Life Building, Montreal. No. 601,509, V. M. Fowler, knife; 601,579, E. Mathson, gate latch; 601,371, S. Czeiler, lock; 601,430, J. F. Collins, nut lock; 601,339, H. H. Freeman, automatic wagon scale; 601,273, W. N. Pelouze, weighing scale; 601,398, J. M. and J. M. W. Long, spacing punch; 601,442, A. E. Karsner, lock; 601,240, R. A. Coachman, hook; 601,502, P. Cummings, et al., garment hanger; 601,392, J. A. Bowden, filter.

INEFFICIENT PLUMBING REGULATIONS.

SOME of the leading manufacturers of plumbing supplies in Montreal contemplate calling the attention of the Customs house authorities to the fact that American wrought iron pipe is coming into Canada already cut and screwed in short lengths, the only duty asked being the ordinary 15 per cent., to the detriment of the large manufacturing shops who keep screwing machines, costing thousands of dollars, for the purpose of cutting and screwing the pipe here. This pipe being cut and screwed in short lengths, ought to be charged the full 35 per cent. duty.

A stated length should be explicitly understood in this matter, and what duty ought to be paid on it.

As the ordinary make of pipe runs from 18 to 22 feet in length, there should be no great difficulty in the Customs authorities or the Government remedying this matter, which, if left as it is, will, in a short time, eventually lead to a considerable loss to the manufacturers here, and also the Government.

Owing to ill health, E. Blair, general merchant, Althorpe, Ont., was compelled to sell his store, Thos. Munroe, Maberly, being the purchaser.

John Bowman Hardware and Coal Co.

WHOLESALE HARDWARE MERCHANTS

Keep a large assorted stock of



LONDON, ONT.

**H. Boker's lines of Hardware, Skates, etc.
Horse and Toilet Clippers
Pen and Pocket Knives
King Cutter, and Other Special Razors
Hockey and Acme Pattern Skates.**

and at prices and terms equal to any other house in the Dominion

PROMPT ATTENTION TO ORDERS.

... QUICK SHIPMENT.

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

MONTREAL, QUE.

Central Fire Cartridges, pistol sizes, Dom. 30 per cent.		
Central Fire Cartridges, Sporting and Military, Dom. 15 and 5 per cent.		
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.		
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival Nitro, 17 p.c.		
Shot.		
Canadian, common, 7½ per cent.		
Brass Shot Shells, 55 and 10 per cent.		
Primers, Dom., 30 per cent.		
Wads.		
Best thick white felt wadding, in ½-lb bags.	per lb	1 00
Best thick brown or grey felt wads, in ½ lb. bags.		0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges.		0 99
Best thick white card wads, in boxes of 500 each, 10 gauge.		0 35
Best thick white card wads, in boxes of 500 each, 8 gauge.		0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges.		0 20
Thin card wads, in boxes of 1,000 each, 10 gauge.		0 25
Thin card wads in boxes of 1,000 each 8 gauge.		
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M.	
11 and smaller gauge.		0 60
9 and 10 gauges.		0 70
7 and 8 gauges.		0 90
5 and 6 gauges.		1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—		
11 and smaller gauge.		1 15
9 and 10 gauges.		1 40
7 and 8 gauges.		1 65
5 and 6 gauges.		1 90
Anvils.		
Per lb.	0 10	0 12½
Anvil and Vice combined, each.		4 50
Wilkinson & Co.'s Anvils, lb.	09	0 09½
Wilkinson & Co.'s Vices, lb.	09¾	0 10
Augers.		
Gilmour's, discount 65 p.c. off revised list.		
Hollow Stearn's, per dozen	13 00	20 00
Adjustable Stearn's, each.	4 50	6 50
Post-hole, Vaughan's, each.	60	90
Excelsior, Jennings, discount 50 per cent.		
Awls.		
Sewing, per gross.	0 65	1 59
Pegging, "	0 65	1 25
Brad, "	0 85	1 60
" handled, per gross.	3 60	30
Saddler's, per gross.	0 45	1 60
Awl Hafts.		
Patent Peg, per gross.	7 25	8 00
" Sewing, per gross.		
Awl and Tool Sets.		
Millar's Falls, per doz.	2 80	3 30
AXES.		
Splitting Axes.	5 25	5 50
Chopping Axes—		
Single List, per doz.	6 00	12 00
Double List, "	11 00	18 00
Bench Axes, 40 and 10 p.c.		
Axle Grease.		
Per gross.	6 00	13 00
Bath Tubs.		
Zinc, discount.	3 90	4 00
Copper, discount, 40 and 10 p.c. off revised list.		
Steel clad, 20 per cent. discount off revised list. Boxing extra		
Babbitt Metal.		
Magnolia Anti-Friction Metal, per lb.	25	
No Name Metal.	15	
Mystic Metal.	10	
F. O. B. New York or Chicago.		
Bells.		
Hand.		
Brass, 60 per cent.		
Nickel, 55 per cent.		
Door.		
Gongs Sargent's.	5 50	8 00
" Peterboro', discount 50 per cent.		
Cow.		
American make, discount 66½ per cent.		
Canadian, discount 45 and 50 per cent.		
Farm.		
American, each.	1 25	3 00
House.		
American, per.	0 35	0 40
Bellows.		
Hand, per doz.	3 35	4 75
Moulders', per doz.	7 50	10 00
Blacksmiths', discount 60 per cent.		
Belting.		
Extra, 45 per cent.		
Standard, 45 and 10 per cent.		
Agricultural, 60 and 10 p.c.		
Bench Stops.		
Per doz.	5 00	6 00
Bits.		
Auger.		
Gilmour's, discount 65 and 5 per cent.		
Excelsior, discount 60 per cent.		
Rockford Common, 70 to 70 and 10 per cent.		
" Perfection, 50 and 10 per cent.		
Jennings' Gen., net list to 5 p.c. discount.		
Car.		
Gilmour's, 47½ to 50 per cent.		
Expansive.		
Clark's 40 per cent.		
Excelsior, 10 per cent.		

Gimlet.	0 65	0 90
Clark's, per doz.	1 25	1 50
Diamond, Shell, per doz.	1 00	1 50
Nail and Spike per gross.	2 25	5 20
Blind Rollers.		
Annex, per doz.	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 00
Blind and Bed Staples.		
All sizes, per lb.	7¾	0 12
Bolts.		
Carriage, dis. 60 and 10 to 70 p.c.		
Tire, dis. 70 and 5 per cent.		
Stove dis. 70 per cent.		
Elevator, dis. ¾ to 40 per cent.		
Machine, dis. 70 p.c.		
Coach Screws, dis. 70 and 10 p.c.		
Plough bolts, 60 p.c.		
Boring Machines.		
Complete, with augers, each.	5 00	7 50
Braces.		
Barber's.	6 00	7 75
Barber's Ratchet.	10 00	11 00
Farmers.	2 00	2 75
Millar's Falls.	15 50	29 00
Brackets.		
Shelf.		
Japanned Canadian, per doz.	0 50	3 40
pairs.	0 85	3 20
Berlin Bronze Canadian.	0 85	3 20
Broilers.		
Light, dis. 65 to 67½ per cent.		
Reversible, dis. 65 to 67½ per cent.		
Vegetable, per doz., dis. 37½ per cent.		
Henis, No. 8.	6 00	
Henis, No. 9.	7 00	
Queen City.	7 50	0 00
Butchers' Cleavers.		
German, per doz.	6 00	11 00
American, per doz.	12 00	20 00
Butts.		
Brass.		
Wrought Brass, dis. 17½ p.c. revised list.		
Cast Iron.		
Loose Pin, dis. 70 per cent.		
Wrought Steel.		
Fast Joint, dis. 70, 10 and 5 to 75 p.c.		
Loose Pins, dis. 70, 10 and 5 to 75 p.c.		
Berlin Bronzed, dis. 70, 70 and 5 per cent.		
Gen. Bronzed, per pair.	0 40	0 65
Can Openers.		
Acme, per gross.	9 00	10 00
Sardine Scissors, per doz.	3 75	4 50
Card.		
Horse, per doz.	0 60	1 00
Carpet Stretchers.		
American, per doz.	1 00	1 50
Bullards, per doz.	6 50	
Carpet Sweepers.		
Bissell, per doz.	22 50	
World, "	21 75	
Daisy, "	24 00	
Star.	18 00	
Crown Jewel, per doz.	29 00	
Grand Rapids, "	24 00	33 00
Cartridges.		
(See Ammunition.)		
Castors.		
Bed new list, dis. 55 to 57½ per cent.		
Plate, dis. 52½ to 57½ per cent.		
Cattle Leaders.		
Nos 31 and 32, per gross.	8 50	9 50
Cement.		
Canadian, Portland.	2 50	
English.	2 85	
Belgium.	2 75	
Canadian hydraulic.	1 20	
Figures are for barrel lots.		
Chalk.		
Carpenters Colored, per gross.	0 45	0 75
White lump, per cwt.	0 60	0 65
Red.	0 05	0 06
Crayon, per gross.	0 14	0 18
Chisels.		
Socket, Framing and Firmer.		
American, dis. 75 per cent.		
Canadian, dis. 40 and 5 per cent.		
Tanged firmer, per doz.	0 85	4 00
Churns.		
Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.		
Clamps.		
Judds', dis. 20 per cent.		
Stearns, per doz.	3 00	10 00
Clips.		
Axle, dis. 65 per cent.		
Closets.		
Washout, plain.	3 25	
" embossed.	3 50	
Coffee Mills.		
Box.	3 60	13 00
Side.	3 60	4 00
Enterprise, No. 0.	1 35	
No. 2.		70
Compasses, Dividers, Etc.		
American, dis. 62½ to 65 per cent.		

Cradles, Grain.		
Canadian, dis. 20 per cent.		
Dies.		
Hart Mfg. Co. (pipe es), (Amer. list), dis. 40 per cent.		
Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.		
Door Springs.		
Torrey's Rod, per doz. (15 p.c.)	2 00	
Coil, per doz.	0 88	1 60
English per doz.	2 00	4 00
Draw Knives.		
American, dis. 70 and 10 per cent.		
Canadian, dis. 25, 50 and 10 per cent.		
Drills.		
Hand and Breast		
Millar Falls, per doz.	16 00	51 50
P. S. & W., dis. 40 per cent.		
DRILL BIT.		
Orse, dis. 37½ to 40 per cent.		
Standard, dis. 50 and 5 to 55 per cent.		
ELBOWS.		
Stovepipe.	85	1 70
FAWCETS.		
Cork Lined, per doz.	0 30	0 35
Wine, per doz.	1 30	3 25
Star, "	2 80	3 90
Fenn's Corkstops, No. 2, per dozen.	1 70	
Petroleum, per doz.	4 50	6 50
FILES AND RASPS.		
Globe File Mfg. Co.'s dis., files and rasps, 60 and 10 to 70 per cent.		
Toronto File Co.'s dis., files and rasps, 60 and 10 to 70 per cent.		
Black Diamond, 50 and 10 to 60 per cent.		
Kearney & Foote, 60 and 10 to 60 per cent. 10, 10.		
Nicholson File Co., 50 and 10 to 60 per cent.		
Heller's Horse Rasps, 50 to 50 and 5 per cent.		
Jowitt's, English list, 25 to 27½ per cent.		
American, 60 to 60 and 5 per cent.		
Great Western, 60 and 10 per cent.		
Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.		
FLUTING MACHINES.		
Each.	0 60	2 00
FORKS.		
Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.		
FREEZERS.		
Ice Cream.		
Gem from \$1.25 to \$7 net.		
White Mountain, 1 to 25 qt.	1 35	13 50
Arctic, dis. 50 p.c.		
FRUIT PRESSES.		
Henis', per doz.	3 25	3 50
Shepard's Queen City, dis. 15 per cent.		
FRY PANS.		
Acme, dis. 65 to 67½ per cent.		
GAUGES.		
Marking, Mortise, Etc.		
Stanley's, dis. 50 to 55 per cent.		
Wire Gauges.		
Winn's, Nos. 26 to 33, each.	1 65	2 40
GLASS.		
Window.		
Box Price.		
	Star.	Double Diamond.
	Per 50 ft.	Per 100 ft.
	Per 100 ft.	Per 100 ft.
Under 25 Inches.	1 60	3 00
26 to 40.	1 75	3 30
41 to 50.	3 70	5 50
51 to 60.	4 00	6 25
61 to 70.	4 30	7 30
71 to 80.	4 70	7 85
81 to 85.	5 25	8 85
86 to 99.		10 30
91 to 95.		11 70
96 to 100.		13 75
101 to 105.		15 70
106 to 110.		
GLUE POTS.		
Tinned, each.	0 30	
Enamelled each.	0 55	
GRINDSTONE FIXTURES		
Per doz.	3 60	4 00
HALTERS.		
Rope, ¾ per gross.	8 25	8 50
" ½ "	9 25	9 50
" ⅝ "	11 00	11 25
Leather, 1 in., per doz.	3 87½	4 00
" 1½ in., "	5 15	5 25
Web, — per doz.	1 87	2 40
HAMMERS.		
Nail		
Maydole's, dis. 5 to 10 per cent.	Can., dis. 25 to 27½ per cent.	
Tack.		
Magnetic per doz.	1 10	1 20
Canadian, per lb.	0 07½	0 08½
Sledge.		
Ball Pean.		
English and Can., per lb.	0 22	0 25

HANDLES.		
Axe, per doz., net.	1 50	2 60
Store door, per doz.	1 00	1 50
Chest, per doz. pairs.	0 40	2 50
Chisel.		
Firmer, per gross.	3 00	4 50
Socket Firmer, per gross.	3 25	8 00
Socket Framing, per gross.	3 75	5 00
Fork.		
C. & B., dis. 45 per cent. rev. list.		
Hoe.		
C. & B., dis. 45 per cent. rev. list.		
Saw.		
American, per doz.	1 00	1 25
Plane.		
American, per gross.	3 15	3 75
Hammer and Hatchet.		
Canadian, 45 per cent.		
Cross-Cut Saw.		
Canadian, per pair.	0 13½	0 20
HANGERS.		
Door, 4 and 5 inch, per pair.	0 40	0 50
Lanes, 62½ per cent.		
HATCHETS.		
Canadian, dis. 40 to 42½ per cent.		
HINGES.		
Blind, Parker's, dis. 60 and 10 to 65 per cent.		
" Shepard's Noiseless, dis. 60 per cent.		
" Buffalo, dis. 60 to 70 p.c.		
Light T and strap, 70 and 10 p.c.	0 03½	0 04½
Screw hook and hinge.		
6 to 12 in., per 100 lbs.	3 15	
14 in. up, per 100 lbs.	2 35	
Per doz. set.		
Screw Eureka.	1 13	1 80
Gate, Clark's.	1 50	2 20
" Shepard's, dis. 50 to 60 per cent.		
Per gro. pair		
Spring.	9 50	
" Shepard's Samson.	1 20	
HOES.		
Garden, Mortar, etc. dis. 60, 10 and 5 p.c.		
Planter, per doz.	4 00	4
HOOKS.		
Cast Iron.		
Bird Cage, per doz.	0 50	1 10
Clothes Line, per doz.	0 27	0 63
Harness, per doz.	0 72	0 88
Hat and Coat, per gross.	1 00	3 00
Chandelier, per doz.	0 50	1 00
Wrought Iron.		
Wrought Hooks and Staples, Can., dis. 47½ per cent.		
Wire.		
Hat and coat, dis. 60 to 60 and 10 p.c.		
Belt, per 1,000.	0 60	0 70
Screw, bright, dis. 65 and 10 per cent.		
HORSE NAILS.		
" P. B.", dis. 50 p.c.		
" C" brand, 50 p.c. dis.		
" M" brand 50 p.c.		
Acadian, 50 and 20 p.c., countersunk head.		
HORSE SHOES.		
F.O.B. Montreal	F.O.B. Toronto*	
Iron Shoes.		
Light, medium, and heavy.	3 15	3 25
Snow shoes.	3 40	3 50
Steel Shoes.		
Light, all sizes.	3 35	3 45
Extra light.	4 50	4 60
Toe weight (steel).	5 50	5 60
*Also Hamilton, London, Guelph, St. John Halifax.		
ICE PICKS.		
Star, per doz.	3 00	3 25
KETTLES.		
Brass spun, 7½ p.c. dis. off new list.		
Copper, per lb.	0 30	35
American, 60 and 10 to 65 and 5 p.c.		
KEYS.		
Lock, Can., dis. 50 p.c.		
Cabinet, trunk, and padlock, Am. per gross.		1 60
KNOBS.		
Door, japanned and N.P., per doz.		0 90
Bronze, Berlin, per doz.	2 75	3 25
Bronze Genuine, "	6 00	9 00
Shutter, porcelain, F. & L. screw per gross.	1 30	4 00
KNIVES.		
Clauss, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.		
Christie, bread, cake, and paring knives, \$7.00 doz. sets, with 10 p.c. off.		
Hay knives, spear point, L or T handle, 60 and 5 per cent.		

King, glass,	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk,	1 90	7 40

LOCKS.

Canadian, dis. 50 p.c.		
Russell & Erwin, per doz.	1 75	7 50
Cabinet,		
Eagle, dis. 30 p.c.		

Padlock.

English and Am., per doz.	50	6 00
Scandinavian,	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.

Iron and Brass.		
Flat head, discount 25 p.c.		
Round Head, discount 20 p.c.		

MALLET.

Tinsmiths', per doz.	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each	1 60	2 00

MATTOCKS.

Canadian, per doz.	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.

American, per doz.	0 42	2 35
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MOLASSES GATES.

Stebbin's Patent, dis. per cent., 77½ per cent		
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NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d.	\$2 75	\$2 80
3d.	2 40	2 45
4 and 5d.	2 15	2 20
6 and 7d.	2 05	2 10
8 and 9d.	1 90	1 95
10 and 12d.	1 85	1 90
16 and 20d.	1 80	1 85
30, 40, 50 and 60d. (base).	1 75	1 80

Steel Cut Nails 10c. extra.
Brads and finishing nails, special sizes, 80 p.c. from new list.

NAIL PULLERS.

German and American.	1 85	3 50
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NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 67½ per cent. for imported, 55 per cent. for McMullen's.		
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OIL.

Canada refined oil (Toronto).	0 14	
Carbon safety " "	0 16½	
American w. w. " "	0 17½	
Pratt's Astral.	0 17	

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz.	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.	1 25	3 50
Brass,	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.

Galvanized, per doz.	1 85	3 00
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PENCILS.

Dixon's, per gross.	1 00	4 25
Carpenter	2 25	3 60

PIKES.

Per doz.	6 00	9 00
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PICTURE NAILS.

Porcelain head, per gross.	1 40	3 00
Brass head,	0 40	1 00

PIPE CUTTING MACHINERY

Forbes Patent Die Stocks.—Curtis & Curtis, Mfrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to 2 in. R. & L.	\$ 50 00	
No. 38 Hand Machine, range 1½ to 4.	100 00	
No. 56 Hand Machine, range 2½ to 6.	175 00	

PLANES.

Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.		
Wood, fancy Canadian or American, 37½ to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.		
Miscellaneous, dis. 25 to 37½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.

English, per doz.	2 00	5 00
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PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ to 40 p.c.		
Button's Imitation, per doz.	5 00	6 00
German, per doz.	0 60	2 60

PLUMBS AND LEVELS.

S.R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		
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POPPERS.

Corn, square, per doz.	1 35	2 00
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PRUNING SHEARS.

Per doz.	4 00	5 50
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PULLEYS.

Hothouse, per doz.	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS.

Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.

Saddlers', per doz.	1 00	1 85
Conductors',	9 00	15 00
Tinners' solid, per set.	0 00	0 72
" hollow, per inch.	0 00	1 00

RAIL.

Barn door, per foot.	0 02½	0 02½
Sliding door,	0 03½	0 03½
Lanes,	0 02½	

RAKES.

Cast steel and malleable Canadian, list dis 60 to 60, 10 and 5 p.c. revised list.		
Wood, 25 per cent.		

RAZORS.

Geo. Butler & Co.'s, per doz.	8 00	18 00
Boker's,	7 50	11 00
Wade & Butcher's,	3 60	10 00
Arbenz's,	9 00	18 00
Theile & Quack's	7 00	12 00

RAZOR STROPS.

Currier's, per doz.	1 25	3 60
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RIVETS AND BURS.

Carriage, Section, Wagon Box Rivets, etc., (Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc., (Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and 5 p.c.		
Copper Rivets & Burs, 45 p.c. dis. in ½-lb. boxes and cartons, 1c. per lb. extra, net.		
Burs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.		
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ROPE, ETC.

7-16 in. and larger, per lb.	Sisal. 10½	Manill 13
¾ in.	11	13½
¾ and 5-16 in.	11½	14
Cotton	13	13
Russia Deep Sea	14½	
Jute	6¾	7½
Lath Yarn	8½	
New Zealand Rope	9½	

RULES.

Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.

Mrs. Potts, per set.	0 62½	1 00
N.P., per set.		90

SAD HEATERS.

Dome, Shepard's, per doz.	4 75	5 00
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SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.		

SASH CORD.

Per lb.	0 20	0 50
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SASH LOCKS.

Triumph and Morris, dis. 37½, 40 percent.		
Kempbell's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.

Sectional, per 100 lbs.	1 40	1 75
Solid,		1 25

SAWS.

Crosscut, McMillan & Haynes, per dozen	0 40	0 70
"Empire," McMillan & Haynes, per ft.		0 70
Hand, Diston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Diston's, per ft.	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.	0 75	2 75
" frame only.		0 75

SAW SETS.

"Lincoln," McMillan & Haynes, per doz.	6 00	7 50
Whiting	5 63	7 00

SCALES.

Gurney Scales, 50 p.c.		
B. S. & M. Scales, 50 p.c.		
Champion, 60 per cent.		
Fairbanks Standard, 45 p.c.		
" Dominion, 60 p.c.		
" Richelieu, 60 p.c.		
Chatillon Spring Balances, 25 p.c.		

SCRAPERS.

Box, per doz.	2 10	4 50
Boot,	0 40	3 50

SCREENS.

Door, patent, per doz.	6 50	11 00
Window, per doz.	2 00	2 75

SCREW DRIVERS.

Sargent's, per doz.	65	4 00
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SCREWS.

Wood, F. H., iron, and steel, dis. 87½ p.c.		
Wood, R. H., " dis. 80 p.c.		
" F. H., brass, dis. 82½ p.c.		
Wood, R. H., " dis. 75 p.c.		
Drive Screws, 87½ per cent.		
Bench, wood, per doz.	3 25	4 00
" iron,	4 25	5 75

SCYTHES.

Discount, per doz. net.	4 50	6 00
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SCYTHE SNATHS.

Canadian, dis. 50 p.c.		
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SHEARS.

B. & W., japanned, dis. 75 p.c.		
B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 60 p.c.		
Elma, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
" N.P., dis. 70 p.c.		
lauss, full nickel, 60 p.c.		
" japanned handles, 67½ p.c. off.		
Seymour or Heinisch tailor shears, 15 p.c.		

SHEAVES.

Sliding door, per set.	0 77	1 40
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SHOVELS AND SPADES.

Canadian, dis. 40 and 10 to 45 and 2½ p.c.		
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SIEVES.

Wood rim, black, per doz.	1 05	1 10
" tinned,	1 25	1 35
Tin rim, per doz.	2 30	2 45
" black,	1 85	2 25

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews	4 50	11 50

SOLDERING IRONS.

Per lb.	0 25	
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WROUGHT SPIKES.

Discount, 35 to 40 per cent.		
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SPOKE SHAVES.

Wood, English	1 80	5 00
Iron, American	1 35	2 35

SPOONS AND FORKS.

Tea spoons, per gross	7 50	12 00
Dessert,	21 00	00 00
Table,	30 00	30 00
Dessert Forks,	24 00	00 00
Medium	27 00	00 00
Table	36 00	00 00

SQUARES.

Iron, per doz.	1 65	2 90
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAPLES.

Galvanized	2 00	
Bright	1 00	

STEP LADDERS.

BOECKH BROS. & COMPANY.

Best grade, from 3 to 10-ft. long, per foot, 16c		
2nd grade, 3 to 10-ft., per foot, 10c.		

STOCKS AND DIES.

American, dis. 25 p.c.		
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STONE.

Washita, per lb.	0 28	0 60
Hindustan,	0 06	0 07
" slips, per lb.	0 09	0 09
Labrador	0 13	
" Axe,	0 15	
Turkey	0 50	
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross.	3 50	5 00
Grind, per ton.	15 00	18 00

Stove Polish.



No. 4—3 dozen in case.	\$4 50	
No. 6—3 dozen in case.	7 50	

TACKS, BRADS, ETC.

Cheese-box tacks, blue, 80 and 20 p. c.	
Trunk tacks, black, 80 and 12½ p. c.	
" tinned, 80 and 12½ p. c.	
B.B.B. iron carpet, blued.....	80
" tinned.....	80
B.B.B. iron carpet, bright or blued (in kegs).....	40
B.B.B. iron carpet, tinned (in kegs)....	45
B.B.B. cut tacks (in bulk).....	80
" ¼ weights, 4 to 14.....	50
" " 4 to 10.....	55
Swedes, cut tacks, genuine, blued and tinned, bulk.....	80
Swedes, upholstery.....	80 and 20
Swedes, carpet, blued and tinned, doz.	70

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays to any address on receipt of

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We have also lists of firms in every branch of trade in the Dominion, the professions, club members, society, etc., and we are prepared to address and mail circulars or letters to these at any time.

THE PRESS CLIPPING BUREAU

Board of Trade, Montreal

STAR

**HACK SAWS
BUTCHER SAWS
BRACKET SAWS**

THE STAR HACK SAW

Has a file temper, and one 5-cent blade will do more work than \$1 worth of files. It will cut off an inch square bar of steel 100 times without filing.

THE STAR BUTCHER SAW

Will cut four times as long without filing as any other kind in use. It will cut off a half-inch rod of iron 30 times.

THE STAR BRACKET SAW

Is taking the place of all other kinds.

None of these Star Saws are to be filed, as the price is less than the cost of filing. They are taking the place of all other saws as fast as they become known.

For Sale by Most Hardware Dealers

We also make a Power Hack Saw which may be found in most machine shops and iron working establishments, and should be found in all.

MILLERS FALLS CO.

93 Reade Street
NEW YORK

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ESTABLISHED 1849.

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THE BRADSTREET COMPANY,

Executive Offices Proprietors.

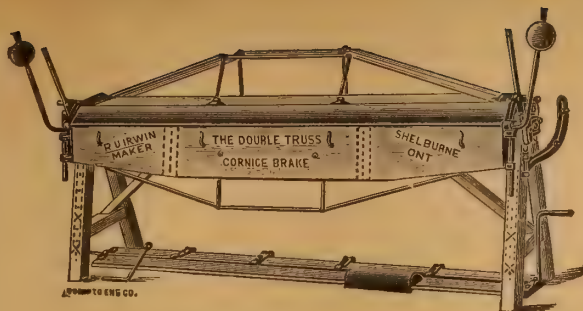
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Offices in the principal cities of the United States, Canada, the European Continent, Australia, and in London, England.

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THOS. C. IRVING, Superintendent



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, \$50

Very handy bender attachment, \$10 extra, if required.

Send for circulars and testimonials to

**The Double Truss Cornice
Brake Co. SHELBURNE, ONT.**

It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

FULL LINE OF

**WAREHOUSE (Portable or Dormant)
HOPPER SCALES**

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Agent for Montreal and Eastern Provinces.



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Smith & Egge Manfg. Co.
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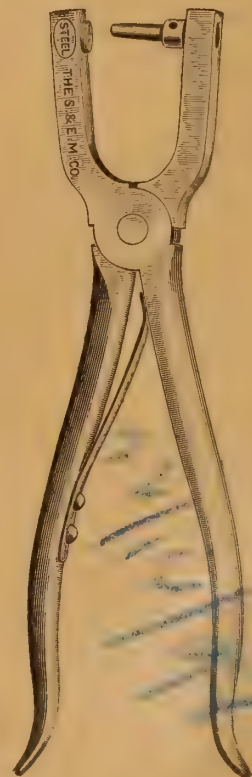
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**Conductors' Ticket Punches.
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**"Giant" Metal Sash Chain.
SASH PULLEYS.**

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Est. 1863

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Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve

Medals



Awarded
By **JURORS** at
International Expositions
Special Prize

Gold Medal at Atlanta, 1895



HAVE YOU TRIED IT ?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE GUTTA PERCHA AND RUBBER MFG. CO.
OF TORONTO, LIMITED.
61-63 FRONT ST. WEST, TORONTO.

BE UP-TO-DATE.

GO WITH THE TIMES

PUT

Robertson's Ready Mixed Paints

into stock and introduce them to your customers,
and you will receive their grateful thanks.

Manufactured by

The JAMES ROBERTSON CO., Limited 263-285 King Street West, Toronto

Telephones 819, 1511 and 1292.

THE PAINT MAKERS

N.B.—You are cordially invited to call upon us while visiting the Exhibition,
when we will be pleased to show you through our factory and warerooms.

"1/2 Century's Test"
Langwell's
Metallic Alloys--Montreal.

CANADIAN

HARDWARE

AND METAL
MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X

MONTREAL AND TORONTO, SEPTEMBER 10, 1898

No. 37



Magnolia Metal

*Best Anti-Friction Metal for
all Machinery Bearings.*

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamp-
ed on the under side of
each bar.



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LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Traders' Building.
MONTREAL—Caverhill, Learmont & Co.
General Dominion Agents.

Owners and Sole Manufacturers,
266 and 267 New York
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A Good Servant.



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If you engage a man, you want one
that you can rely upon all the time.

"Queen's Head" Iron is a servant, one who has been
tried for many years, and whom you can depend upon to
do his work and do it well **every time.**

Why take chances with strangers or with less trust-
worthy servants that you know?

JOHN LYSAGHT, Limited
BRISTOL and MONTREAL

THE ...

Dominion Radiator Company

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DEALERS

in the most complete line of

Steamfitters' Specialties

Head Office and Works:

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*Wrought Iron Pipe
Cast and Malleable Fittings
Also Galvanized Pipe and Fittings
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MANTELS
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FINE BUILDERS' HARDWARE.

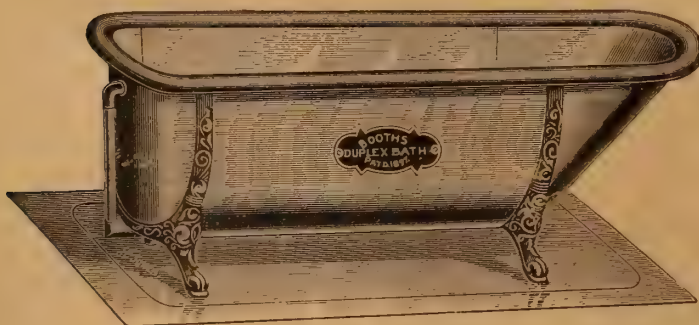
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"Solidity"

In speaking of DUPLEX TUBS, this word is particularly applicable, as it is the "solidity" of the Tub that is a great point of merit. The steel, copper and tin are all practically fused together, making one solid sheet. It is therefore almost impossible to dent or bruise one of Booth's DUPLEX Copper-lined Bath Tubs.

"DUPLEX"



BOOTH'S PATENT

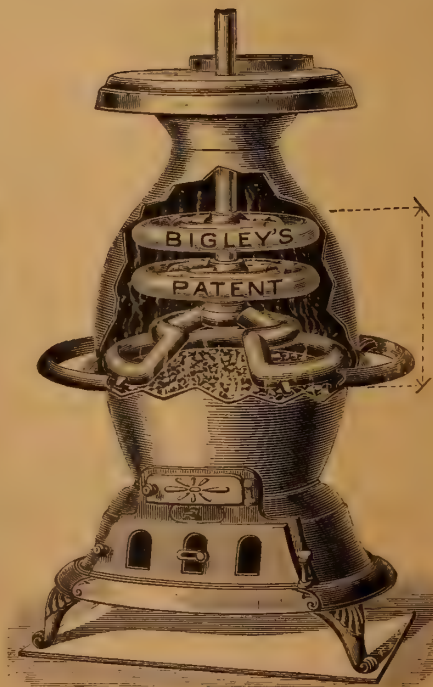
Sole Manufacturers in Canada:

The Toronto Steel-Clad Bath and Metal Co., Limited

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"BIGLEY'S" PATENT WATER HEATING COIL.

Made in
8 Sizes.



They are so constructed that one or more sections can be used. They are constructed principally for combination heating, in any kind of Hot Air Furnace, Globe Heaters or Stove, such as represented in cut. They are put together with screwed nipples and tested to 150 lb. pressure. The first section is cut away in front, so as to admit the coal. This heater adds $\frac{3}{4}$ more heating capacity to a stove or furnace. It can be built in brick for greenhouse heating.

Send for Catalogue

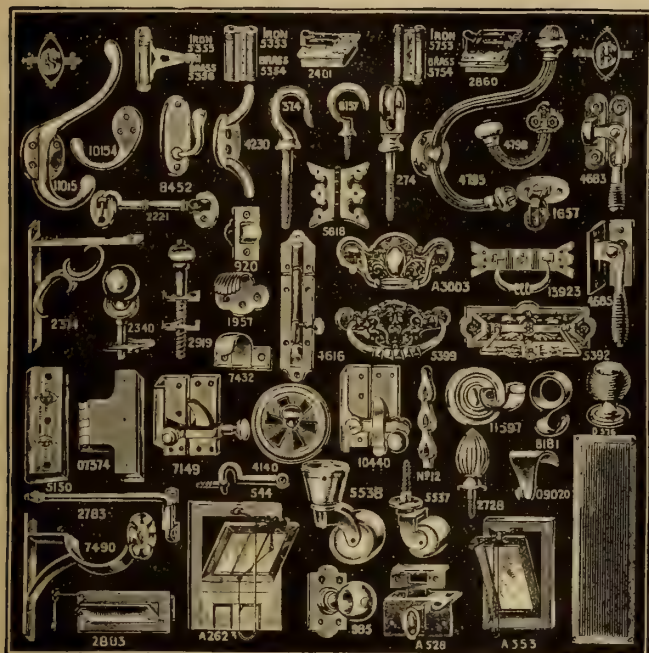
Manufactured by

R. BIGLEY 96 and 98 Queen E. TORONTO

James Cartland & Son

Manufacturers of every description of

**CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY
BIRMINGHAM, ENGLAND.**



London Showrooms: 57 Holborn Viaduct, E.C.

Our "Para" Rubber Belt

is made of 32-oz. Duck coated with fine Para Rubber, and makes a superior THRESHING BELT.

**OUR PATENT
SEAMLESS**

Forsyth Rubber Belt

is so constructed as to do away with an exposed seam.

Price List and Discounts
on application.

THE CANADIAN RUBBER CO.

OF MONTREAL

CAPITAL - \$1,500,000.

BRANCHES: Toronto and Winnipeg.



OTHER TOOLS ARE VERY GOOD TOOLS, BUT "YANKEE" TOOLS ARE BETTER



SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

Sold in Canada by _____

CAVERHILL, LEARMONT & CO.	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	"
RICE LEWIS & SON, Limited	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	LONDON

Descriptive Circulars will be mailed
on application.

North Bros. Mfg. Co.

Philadelphia, Pa., U.S.A.

ESTABLISHED
1778.



CORPORATE
MARK.

JOHN CROSSLAND

MANUFACTURER OF

SHEFFIELD.

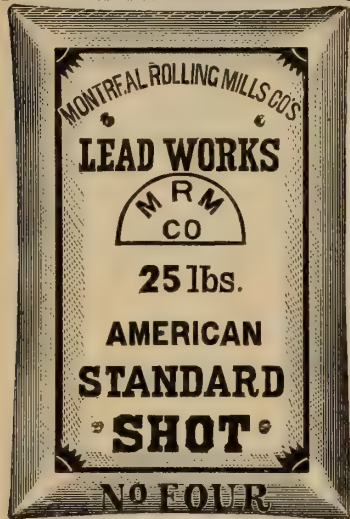
Pocket, Table and Butcher Knives.

Spear, Bowie, Daggers, Matchets and Hunting Knives.

These goods have a world-wide reputation for good quality and finish. Any infringers of our corporate mark will be promptly prosecuted.

APPLEBY & CO., - 501 Board of Trade, MONTREAL,

The sole agents for Canada, keep a full range of samples on view.



SHOT..

Trap and Field Sportsmen realize the necessity of using a perfectly round, well-polished and uniform shot.

The perfection of our machinery insures uniformity, roundness and excellence of finish.

Montreal Rolling Mills Co.

MONTREAL, P.Q.

(37)

The fibre is long
and strong

**BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE**

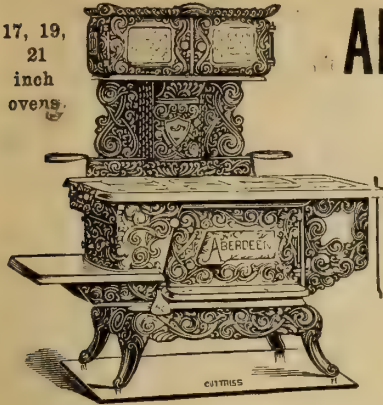
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The E. B. EDDY CO., Limited

HULL	ST. JOHN	VANCOUVER
MONTREAL	HALIFAX	VICTORIA
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The paper stands
wear and tear

17, 19,
21
inch
ovens.



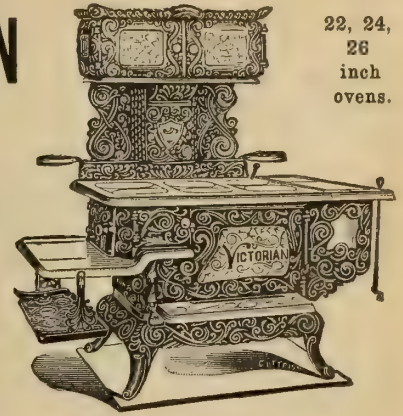
ABERDEEN, for Coal and Wood.

ABERDEEN AND VICTORIAN RANGES

These two modern, beautiful ranges give a complete line of goods for coal and for wood, and were constructed with special reference to the needs of Canadian trade. They have roomy fire boxes, capacious ventilated ovens, large fire doors, spacious hearths.

The COPP BROS. CO., Limited
Hamilton, Ont.

22, 24,
26
inch
ovens.



VICTORIAN, for Wood.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinisch's Sons Co. vs. Hermann Boker & Co:

"The complainant (R. Heinisch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinisch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinisch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorn & Co., St. John, N.B.; H. S. Howland, Sons & Co., Toronto, and others,

Established 1825.

COLDBROOK IRON AND STEEL CO.

Limited

Manufacturers of
all kinds of

BAR IRON.

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GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

CANADA PLATES.

18 x 21 x 60 sheets Ordinary.

18 x 24 x 52 " "

18 x 24 x 60 " "

18 x 24 x 75 " "

20 x 28 x 41 " "

18 x 21 x 60 sheets, Alaska.

18 x 24 x 52 " "

FINEST ALL BRIGHT.

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin

164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

AN ANNOUNCEMENT!

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

Enameline

THE MODERN
STOVE POLISH
PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.



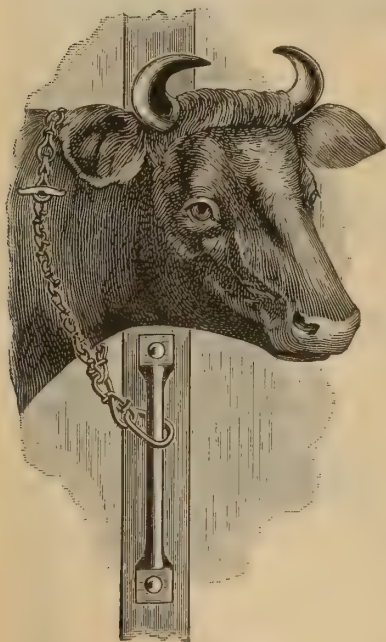
THE GENUINE ACME.

We are now prepared to fill orders promptly. We make the highest grade of skates, and guarantee them. We solicit your inquiries. Goods dated 1st Nov

THE STARR MANUFACTURING CO., Limited

T. L. PATON, Resident Agent, Montreal, Que.

DARTMOUTH, N. S.



NIAGARA PATTERN

Or "SHORT"

COW TIE.

Made in either

CUT LINK

... OR ...

WIRE LINK
CHAIN.



Showing also our new

NIAGARA
STALL
FIXTURE.

The cheapest, safest and most convenient stall fixture ever devised for either cows or horses. Allows great freedom to the head without a long chain, which would entangle the animal's foot. Also American Open and Closed Ring Cow Ties.

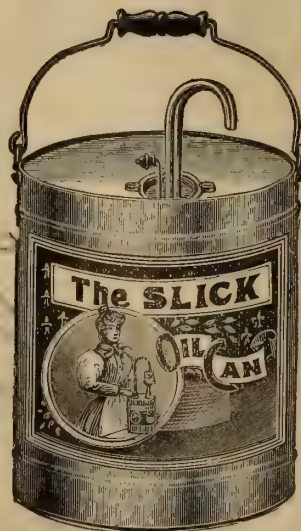
ONEIDA COMMUNITY, Limited
NIAGARA FALLS, ONT.

KEMP'S SLICK OIL CAN

IS

A first-class leader
for the fall trade.

A perfect can at a
low price.



No Oil Spilled
No Soiled Clothes
No Dirty Lamp

It is impossible to overflow lamp.
The pump is attached in the simplest and strongest
manner possible.

Will not get out of order with ordinary use.

KEMP MANUFACTURING CO.
TORONTO, CANADA.

HARDWARE AND METAL

Vol. X.

MONTREAL AND TORONTO, SEPTEMBER 10, 1898

No. 37

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JOHN BAYNE MacLEAN, Montreal.
Treasurer,
HUGH C. MacLEAN, Toronto.

THE MacLEAN PUBLISHING CO Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P. E. Island and Newfoundland.

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Published every Saturday.

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WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER

MERCHANTS MAILING MONEY.

A WELL-KNOWN manufacturer has called the attention of HARDWARE AND METAL to the practice of many merchants sending money through the mails without taking the precaution of either registering or procuring a post office order.

A merchant, or anyone else, who sends money through the mails as he would an ordinary letter, is taking a risk that is unwarranted. It is like a man swimming a dangerous rapid when a few cents would take him down in a boat, for a letter goes through a number of hands, and, if it should be stolen or lost, there is no recourse for remuneration.

The expenditure of an extra 5c. on a

registration stamp will take a letter to any part of the Dominion. And while, of course, a registration stamp does not make the letter with its contents proof against being lost or stolen, it does make the stealing of it more risky, to say nothing of the fact, that in the event of theft or loss, the money can be recovered.

The money order system, however, affords greater protection than the registration scheme, and for sums not over \$5 is even cheaper than the latter. The following are the rates:

	Cents.
If not exceeding \$2.50.....	3
Over \$ 2.50 and up to \$ 5.....	4
" 5 " 10.....	6
" 10 " 20.....	10
" 20 " 30.....	12
" 30 " 40.....	15
" 40 " 50.....	20
" 50 " 60.....	24
" 60 " 70.....	28
" 70 " 80.....	32
" 80 " 90.....	36
" 90 " 100.....	40

No single money order, payable in the Dominion of Canada, can be issued for more than \$100; but as many of \$100 each may be given as the remitter requires. Limit on American orders, \$50; on English and foreign orders, \$50.

In view of the cheapness of registration and post office orders, there is no excuse for any one sending even one dollar, much less larger sums, through the mails, as he would an ordinary letter, and he is a wise man who will discontinue what has perhaps hitherto been a practice with him.

Cheerfulness is a much more potent business-propelling force than brusqueness, even if it is less awe-inspiring.

TO BE RECONSTRUCTED.

Peck, Benny & Co., Montreal, have called for tenders for the reconstruction of their large rolling mills on Mill street, which were recently almost completely destroyed by fire. The contract will provide for new buildings of an area of 242 x 140 feet, with a fireproof iron roof or superstructure.

The establishment will be equipped with the latest machinery. Arrangements have been made to have it in full running order within ninety days. Over six hundred men will be employed.

The wire nail department of the firm is now running, and the other departments not seriously damaged, being those for the manufacture of horseshoes and horseshoe nails, will resume work shortly.

The firm also contemplates adding a wire-drawing plant, which is a new feature, in order to make the rolling mills complete in every respect.

The rebuilding and equipment involves an expenditure slightly under \$100,000.

WIRE NAILS IN THE U. S.

Wire nails have worked into a strong position in the United States. The demand is brisk, stocks are low, and a slight advance in price is expected in the near future.

In Canada, a good business has been done for some time, but the manufacturers are still selling at, what are to them, unsatisfactory prices. True, there does not appear to be as much cutting as there was, but that may be because prices are already as low as they well can be.

BRITISH VS UNITED STATES CHAIN IN CANADA.

IN Hardwareman, Birmingham, of the issue of August 27, is an article from its special correspondent, who is now making a tour of Canada and the United States, in which this sentence occurs: "Great Britain is holding her own fairly well in chain, but the enemy is at the gate."

This may be true of one locality or trade centre in Canada, although the correspondent does not say so. At any rate it is scarcely true taking the Dominion as a whole. In Western Canada, particularly, the "enemy" is not only "at the gate," but he is inside it if by the enemy the United States manufacturer is meant.

HARDWARE AND METAL could mention at least one wholesale house in Toronto which, during the past year, has carried no British-made chain in stock. It gets all of its supplies from the United States.

Instead of holding her own, the Trade and Navigation Returns for the past eight years show that she has been losing it, as far as chain of iron and steel is concerned. In the face of a decrease of nearly 45 per cent. since 1890, Great Britain can scarcely be said to be holding her own.

The following table shows the imports from Great Britain and the United States, respectively, of iron and steel chain into Canada during eight years, ending with the fiscal year of 1897:

	From G.B.	From U.S.
1890	\$68,153	\$10,346
1891	71,451	10,901
1892	51,382	11,881
1893	40,156	5,747
1894	28,091	9,504
1895	41,495	9,842
1896	49,289	12,627
1897	34,193	21,471

A glance at the above table will show that while the imports in 1897 from Great Britain are nearly 45 per cent. less than in 1890, those from the United States, were, on the other hand, 107 per cent. larger than at the beginning of the period given.

True, the premier position is still held by British chain, but it is questionable how long she can maintain it. The fact of the matter is, the United States manufacturers are turning out their chain by machinery, and laying it down in Canada at lower figures than are the British with their hand-made chain, and it stands to reason that as long as the present manufacturing conditions and prices exist, the imports of American chain

must increase, and those of the British decrease.

But not only is the United States chain manufacturer getting a strong foothold in the Canadian market, but he is even getting into the British market.

The representative of an American firm, who was in Toronto the other day, stated that his house was sending chain to England and laying it down there at a lower price than the home-made article. He also ventured the information that a chain-machinery manufacturer in the United States had received an order for a plant to be set up in England.

WASTING MONEY ON COMMERCIAL AGENCIES.

SIR RICHARD CARTWRIGHT, the Minister of Trade and Commerce, stated a few days ago that he was considering the advisability of appointing five or six commercial agents in different foreign countries.

It is to be hoped there will be no haste in the matter. Commercial agents cost money, and, unless they are sent where profitable trade is likely to eventually result, money is wasted. This, Canada cannot afford.

Before a business man ventures upon another market, he devotes his energies to that which he already trades in, provided, of course, that the market has not reached the limit of its possibilities as far as he is concerned personally.

At present, Canada's chief market is Great Britain. There is no question about that, for, out of a total export of \$159,485,770 the last fiscal year, \$104,787,554 worth, or about 65 per cent. of the whole, went to that country.

But large, relatively, as is the exportation of our goods to Great Britain, it is possible of much expansion. We have not the complete British trade returns to hand for later than 1896, but these will serve to illustrate this point.

In 1896, the total imports into Great Britain were £441,808,904, of which Canada only contributed £16,047,263, or about 2½ per cent. of the whole.

The possibility of expanding the export trade of the Dominion with Great Britain is seen still more strongly when a comparison

is made of the value of certain articles which the latter imports and the proportion thereof which Canada supplies. Take the following table as an illustration, based upon the lines of farm and dairy produce, in which Canada has such large possibilities:

	Value of Articles imported by Great Britain.	Amount sent by Canada.
Cattle	\$ 45,284,601	\$ 6,816,361
Bacon	38,225,306	3,799,428
Beef, fresh	24,473,629	3,402
Mutton, fresh	22,963,737	75
Butter	74,667,537	958,649
Cheese	23,848,749	14,251,700
Eggs	20,364,892	704,768
Oats	18,120,863	112,704
Wheat	109,651,723	7,891,874
Flour	37,371,196	347,685
Fish	13,913,347	3,710,378
Apples	7,701,359	1,306,204

In view of these facts, it is the duty of the Minister of Trade and Commerce to bend his energies, first, in developing trade in a market that is unquestionably possible of further development, instead of spending his energies and the country's money in establishing agencies in countries whose trade is not likely ever to amount to much.

DOING BUSINESS IN MEXICO.

W. C. O'Brien, of Mexico, is spending a holiday in Canada, the guest of Hon. Mr. Justice Wurttele, Montreal. He represents several American firms in Mexico, and is looking into the possibilities of handling Canadian manufactures and products in that country. He thinks Canada should do more business with the south. Mexico buys many products from the States that could be laid down by water just as cheaply from Canada.

Mr. O'Brien remarked, in conversation with HARDWARE AND METAL, that last year, for the first time, Mexico figured as a wheat exporting country, and, as they have large areas of uncultivated land, suitable for wheat growing, and as labor is cheap, the production of this cereal was likely to increase enormously.

FAVORABLE BANK CLEARINGS.

Bank clearings in Canada continue favorable.

During August, the aggregate clearings of the six chief cities in the country were \$103,043,105, an increase of nearly 7 per cent. compared with the same month a year ago.

The showing for the eight months ending Aug. 31 is still more favorable, the increase being over 24 per cent. compared with 1897, the aggregate figures being \$901,839,738 and \$727,039,237, respectively.

BRITISH AND U.S. PIG IRON PRODUCTION.

THE figures relating to the production of pig iron in Great Britain and the United States for the first six months of 1898 are interesting.

In both countries, the production exceeds that of the corresponding period of 1897, but that in the United States is the most striking, and that in a two-fold sense. First, in the extent in which it exceeds that of Great Britain, and, secondly, in the fact it exceeds that of any six months' production in the history of the United States itself.

The total in the United States was 5,909,703 gross tons. The record, six months previous to this, was in the second half of 1895, the boom year, when the quantity was 5,358,750 tons. And this great increase is in spite of the fact that Massachusetts, Connecticut, New York, New Jersey, Maryland, Virginia, Georgia, Texas and Tennessee made less pig iron than during the corresponding six months of 1897. The States which show the chief increases are Pennsylvania, Ohio and Illinois.

It is a striking fact that while the output of pig iron in the United States has increased so enormously there are only nineteen States making pig iron, which, except last year, when the number was the same, was the smallest since 1830, showing the tendency of the industry to centralize at the most favored points.

Now, as to the production in Great Britain. According to the statistics of The British Iron Trade Association it was 4,432,893 tons against 4,401,424 tons the first six months of 1897.

This means that the production in Great Britain for the first six months of 1898 was 25 per cent. smaller than that in the United States for the same period.

And, with all the facilities in the way of ore and coal which the United States has within its own confines, it looks as though that country has taken the lead to maintain it, as a producer of pig iron, especially in view of the fact that Great Britain's facilities for securing ore threaten to become more difficult in the future than they have been in the past.

ADVANCE IN GALVANIZED IRON.

Galvanized iron has been advanced equal to 10c. per 100 lb. by the manufacturers,

but jobbers have not, as a rule, yet made any change in their quotations.

They will doubtless do so, however, when later shipments are to hand. In the meantime, retailers should keep their stocks well assorted.

MINING IN ONTARIO.

PART three of the seventh report of the Ontario Bureau of Mines has been issued. The book is gotten up in admirable form, and contains numerous maps and illustrations. Mr. Archibald Blue, director of the Bureau of Mines, in a preface to the report, submits statistics of the metalliferous mines and works of the Province for the six months ending June 30 of the current year, together with the statistics for the whole of 1897. The figures are as follows :

Gold—	1898. 6 mos.	1897. 12 mos.
Ore treated, net tons.....	24,779½	27,589
Value of gold.....	\$133,744	\$190,244
Silver—		
Ore treated, net tons.....	73	.....
Value of silver	\$ 10,632	.....
Nickel and copper—		
Ore smelted, net tons.....	55,871	96,094
Value of nickel.....	\$225,763	\$359,651
Value of copper.....	141,744	200,607
Iron ore, net tons	13,032½	2,763
Value at mines.....	\$ 23,845	\$ 4,689
Pig iron—		
Ontario ores, net tons.....	9,215	2,770
Foreign ores	29,505	34,722
Pig iron product	25,423	24,011
Value of pig iron	\$305,083	\$288,128

The total value of the metal product for the six months of the present year was \$840,811, against \$1,042,779 for the whole of 1897.

Commenting upon these results, Mr. Blue says: "Comparing the second three months of the present year with the first three months, there is a considerable falling off in the production of gold, a result of unavoidable circumstances. The Regina mine was closed down on April 1, in order that a 30-stamp mill might be erected to replace the former 10-stamp mill; it is expected that the new mill will be completed during the present month. The Foley mill has been shut down pending the transfer of the property to an English syndicate. The Deloro mill was destroyed by fire about three months ago, but it is understood that a mill of much larger capacity will be built in its stead. These circumstances account for the lessened gold production of the Province during the second quarter of the year. It will be observed, however, that the value of all

metal products for the first six months of this year is 80 per cent. of the products for the whole of last year."

The report contains papers on the following subjects: "Economic Geology of Eastern Ontario, with Special Reference to Corundum and other Minerals," by Prof. Willett G. Miller, of the Kingston School of Mining; "Analyses of Corundum and Corundum-bearing Rock," by Dr. W. L. Goodwin, Kingston School of Mining; "The Concentration of Corundum," by Prof. Courtenay de Kalb, Kingston School of Mining; "Water-Powers of Ontario," by Thos. W. Gibson, secretary of the Bureau of Mines; "Placer Gold on Vermillion River," by Arthur H. Gracey.

ALBERTA, N.W.T., OIL FIELDS.

In order to develop the petroleum fields of Alberta, N.W.T., the Dominion Government have decided to license oil prospecting in that district south of the C.P.R. on the following terms: An area not exceeding 640 acres of land shall be reserved to each applicant for a period of six months to prospect upon for petroleum. If oil is found in paying quantities the land will be sold to the prospector for \$1 per acre, with a provision that a royalty of 2½ per cent. upon the sales of the petroleum must be paid to the Crown. It is expected that these moderate terms will be a powerful inducement to prospectors to discover the true value of these lands.

PASSENGER TRAFFIC IN CANADA.

The Dominion statistician has made an interesting report on railway statistics. It shows that the steam railways in Canada, last year, carried 26,000,000 people. The electric railways carried 83,800,000 people, as compared with 73,900,000 last year. There are 35 electric railways in Canadian cities, with 58.3 miles of track. These lines ran over 26,500,000 miles during the year.

ETERNAL PRINCIPLES.

There are certain eternal principles that enter into the wise conduct of business—certain lines that must win out. Get your business on these lines and hold strictly to them, regardless of what this one or that one may say, regardless of what is or what has been, and hold to them with the faith and the grasp that know no weakening, and you will win out.—Frank A. Munsey.

AN APPRECIATION OF CANADA.

THE Canadian market is one of considerable importance to the United States. Its trade runs up into the millions, and is largely made up of highly-finished manufactures. It is for trade of this nature that we are scouring the world for new markets, and pushing our energies in every direction. We are improving waterways, building railroads, agitating the construction of inter-oceanic canals, the subsidizing of a merchant-marine, improvements in our consular service, erecting business museums in foreign countries and picketing the planet with nomadic and aggressive salesmen. That we should, in a large measure, neglect or decry Canadian markets can hardly be understood, unless it be due to political prejudice or for reasons of the Guy Fawkes order. It is a fact, however, be the reasons what they may, that the importance of the Canadian trade not only in its possibilities, but in its present stage of development, has been persistently ignored or treated with something akin to venomous indifference. There is practically no good reason why such a spirit should interfere with what ought and what might be a normal expansion of inter-commerce. The relations of Canada with Great Britain in a political and commercial sense ought not to prejudice our business with 5,000,000 of people who speak the same language, move along the same lines of civilization, and are certainly our equals in the ethics and morals of public life. Such people are not to be brought into a closer union by ill-disguised coercion.

Fortunately, for the time being, there is a disposition on both sides of the border to be on more amicable and common-sensed terms, the outcome of which, if not checkmated by adverse and reactionary influences, can only redound to the mutual benefit of both countries. It is gratifying to note that business sentiment on both sides of the line is largely in favor of closer trade relationship. It is to be hoped that whatever obstacles there are in the way of a fair adjustment of differences will be removed by such mutual concessions as are honorable and possible. The time would seem to be propitious for the removal of some old friction and prejudice. There has been considerable one-sidedness in the matter hitherto, but with the horse-trading idea eliminated, there is no reason why the commercial relationships of the United States and Canada should not be of a more reasonable and amicable nature.—Age of Steel, St. Louis.

A SKATE MEASURE FREE.

Rice Lewis & Son, Limited, are handing, with their compliments, to their customers

of skates, a new measure which gives the boot size and the size of skates required for same. It is an attractive and handy article, and should be in the possession of every storekeeper who sells skates, as it will enable him to readily get at the correct size by either referring to the measure or by placing the foot on the measure.

WHERE THE TRUTH MUST BE TOLD.

A HAMBURG trader advertised an "infallible grease-eraser." Nine of his competitors lodged a joint complaint against him for "unfair competition" on the ground that his eraser was not infallible. The judge appointed an expert to make grease-stains on garments and other fabrics, and then ordered the defendant to remove these stains in court with his eraser. The eraser proved lamentably unequal to the task, and the defendant was fined 100 marks (£5) and costs. He has now altered his advertisements. The German judges are down upon sham sales. A man who had falsely advertised that he was selling out upon retiring from business was fined 300 marks (£15). Others have been fined for falsely advertising "sale after stock-taking" and "sale on account of removal." At the Leipzig Exhibition of 1897 a firm showed what purported to be a model of their factory, including a building described as their "carpet-weaving mill." They were prosecuted under the Act, and admitted that there was no such building at their works, and that they did not weave carpets, although they sold them. They were fined heavily, and an injunction was granted against them restraining them from referring to the imaginary "mill."

Perhaps the queerest cases reported under the Act are those in which shopkeepers convicted of having falsely marked up their goods at "20 per cent. below cost price," or "without profit," have been sentenced actually to sell the whole of their stock at the percentage of loss at which they led the public to believe that they were sacrificing their wares, and, in innumerable instances, people who untruly professed to sell at manufacturers' prices, or at cost price, have been sentenced to fines up to £10 and the insertion of the sentence, at their own cost, as an advertisement in the local papers. So close are the meshes of the Act that in one instance a firm was heavily fined for advertising, under its own address, "fifty-two establishments in the large towns of Germany," although the assertion was strictly true. The "fifty-two establishments" were so many different firms, and the fifty-three together formed an association who bought the same goods from the same sources, but sold independently of each other. The court held that

the words "fifty-two establishments," etc., were calculated to lead the public to believe that they were all branch houses of the firm advertising. As competition is at least as keen in Germany as here, while middlemen's profits are generally much smaller, the lot of the German shopkeeper can hardly be described as a happy one.—Ironmonger.

ONCE A HARDWAREMAN.

Hon. J. Fred Hume, Provincial Secretary and Minister of Mines in the new Government of British Columbia, was once a hardwareman. He was born on August 8, 1860, in Jacksonville, Carleton county, N. B., in the vicinity of which place his father carried on extensive mining interests. When Mr. Hume was ten years of age his parents moved to Fredericton, where the young man received a liberal education. In 1883, Mr. Hume moved west, taking the position of manager of the H. A. Perley Hardware Company at Carberry, Man. He remained there but a year, moving to Golden, where he engaged in business on his own account. Finally, in 1888, he located at Nelson, to direct his numerous steamboat and business interests, being the manager of the Columbia & Kootenay Navigation Company, until that concern was absorbed by the C.P.R. Mr. Hume was first elected to the legislature in 1894, and was re-elected by a very narrow majority at the recent general contest.

AN EXPLANATION.

Editor HARDWARE AND METAL.—Referring to your article, "The value of Razors," we beg to say that a slight error has crept into it, in the first sentence, which reads, "It depends not so much upon who makes the steel as upon the man who grinds." This is not correct. The first requisite for a good article is fine quality steel, and razors require a special quality of steel, made for that purpose. From a poor quality of steel the best grinder will not be able to turn out a satisfactory article, though a good grinder might make a fair razor from a medium grade of steel. Still, in order to make a perfect article a fine grade of steel is required.

Dorken Bros. & Co.

Montreal, Sept. 6.

**WIRE NAILS
TACKS
WIRE**

Prompt Shipments

The ONTARIO TACK CO.,
Limited
HAMILTON, ONT.

FLOW OF WATER IN PIPES.

THEODORE W. SNOW, of the United States Wind Engine and Pump Co., in a paper entitled "Locomotive Water Supply," presented before the Western Society of Engineers, gave some examples of the variation between the theoretical flow of water through straight, smooth pipes, and the actual flow. He said in part:

"In designing a water station for a large railroad, recently, the problem given was to obtain 4,000 gallons per minute through a distance of 350 feet, the head and size of supply pipe to be sufficient to accomplish this result. The mean head of water supply was made 38 feet; from this must be deducted 12 feet for height of crane, leaving a net head of 26 feet. In computing this flow, an allowance of 10 per cent. was deducted for the friction of the water column. In figuring this discharge, E. E. Johnson's curve of discharge was used, and, comparing actual result with theory, we fell short only 400 gallons per minute.

"This is pretty fair for practice, for, considering that all table makers are careful to state that only straight smooth pipes were used (they want no curves), we laymen have to make due allowance for the cast pipe of commerce, which usually is anything but smooth and not always straight. The bell and spigot connection causes considerable disturbance to the flow, setting up what in electrical parlance would be termed Foucault currents.

"In the station just referred to, the supply pipe was 12 inches in diameter and the crane 10 inches; the distance as stated was 350 feet, and the discharge was 1,600 gallons in 25 seconds, or at the rate of 3,840 gallons a minute. Under the same conditions with 1,000 feet of 12-inch pipe and a similar crane, this flow was reduced to 3,000 gallons per minute, due solely to friction. Comparing this again with Johnson's curve, above referred to, we find that we should have obtained 3,300 gallons.

"Again, with 350 feet of 14-inch pipe and a 12-inch crane, with three 90-degree elbows, we obtained a discharge of 3,500 gallons in 48 seconds, with a net head of 12 feet. A comparison of the same tables will show a uniform discrepancy."

PATENT REPORTS.

Below will be found the only complete report of patents granted, last week, to Canadian inventors, by the Canadian and United States Governments. This report is especially prepared for this paper by Marion & Marion, solicitors of patents and experts, New York Life building, Montreal.

CANADIAN PATENTS.

60,962, Olafur Johnson, Glenboro', Man.,

wire-tightening device; 60,976, Ferdinand Roy, Montreal, valve; 61,032, L. Girard et L. Godid, Three Rivers, coffin handle; 60,040, Alexis, Arthur and Delphis Chicoine, St. Mare, butter press.

AMERICAN PATENTS.

609,930, William Driscoll, Brockville, Canada, sash balance; 610,048, Samuel H. Haycock et al, Iroquois, apparatus for mining in frozen ground; 609,825, Patrick A. MacDonald, Winnipeg, voting machine.

WASTING TIME.

ONE of the most irretrievable wastes in the world is that of time, remarks Stoves and Hardware Reporter. How easy it is to fall into the habit of taking a rest or siesta at all conceivable times. No one can afford to rest while there is work to be done. It is only when people cultivate the practice of doing only what is absolutely necessary that they find opportunity to idle and waste time. When one considers what really ought to be done and that which may be dispensed with he finds that tasks are very much lessened both in number and arduousness. It is not required by any one that fly specks should be cleaned off periodically, or that dust should not be allowed to accumulate, and that window

displays should be changed or the interior of the store altered at intervals. All these things belong to the unwritten laws which people may obey or ignore as they see fit. It is much easier or more comfortable to allow many duties to be left unfulfilled; it is much pleasanter to chat pleasantly or while away the time with something really amusing, but it must be admitted that it is ultimately neither profitable nor self-respecting to do what is personally agreeable and leave disagreeable work undone. There are many things about the store which clerks will not think of doing if left to themselves, nor will they always do them properly, even when directed. Thus, it is that it is well for the merchant to take a deep interest in his business, to sacrifice himself a little more by being willing to do things which require thought and care. He should be continually on the lookout for improvements or renovations which could be made in the store. Such opportunities for betterment are constantly arising if a sharp eye is kept upon the arrangement of the store. It is everyone's sacred duty to utilize time to the best advantage, and with the storekeeper it means the taking good care of the store, keeping the stock in good order, displaying it effectively, and maintaining system and neatness in its management.

Red
Sch 17/48



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Paint**

Lengthens the life of a house—
acts as a preservative as well as an
adornment. - Keeps a new house from
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THE SHERWIN-WILLIAMS CO.
Canadian Department, 21 St. Antoine St., Montreal.

RUBBER GOODS IN HARDWARE TRADE.

CERTAIN lines of rubber goods have long found a place in hardware stores, with such results in the way of sales as to cause this channel of trade to be highly appreciated by the rubber manufacturer, says Iron Age. The question has lately been suggested whether, in view of the known greatly increased consumption of rubber, an opportunity might not now exist for the hardwareman to devote with profit more attention to rubber goods.

It certainly is desirable, whenever possible, for the hardware dealer to take on a new side line, both that he may keep pace with changes in demand due to changing habits of the people, and in order to offset any inroads made upon his trade by department stores and other competitors. But, of course, the live merchant will not add a new department merely for the sake of an increased volume of sales, without regard to whether it will pay.

INCREASED USES OF RUBBER.

It seems that the increase in the use of rubber has been continuous, taking the trade as a whole, since the beginning of the industry, and that the rate of growth has never been so large as in the last few years, but this growth has not always been in a direction likely to interest the hardware trade. The largest item of increase has been in the manufacture of tires for bicycles and vehicles. Then, a great demand has grown up for rubber for insulating electrical wires for numerous uses. Since the law has compelled railroads to use air brakes, the demand for rubber air-brake hose has increased. Then, more rubber is used each year for people, in waterproof clothing and for the rubber goods sold in drug stores, but none of these items concern the hardware trade. Hardwaremen have been large handlers of bicycles, it is true, but the conditions of the trade in tires, sold separately from wheels, have been unsatisfactory to everybody concerned, from manufacturer to consumer. This brings us down to such articles as rubber belting, garden and other hose, steam packing and the like, which are better suited to the hardware trade.

METHODS OF MARKETING RUBBER GOODS.

Nearly every hardware store does sell something in the lines last mentioned, and in times past hardwaremen were among the most important distributors of such goods. They still are, for that matter, but not in an increasing degree. The constant tendency in this line, as in so many others, is toward direct dealings between the manufacturer and at least the more important consumers, so that the jobber is becoming eliminated. The great wholesale and jobbing houses in the hardware trade, par-

ticularly in the west, keep rubber goods in stock, but some of them are representatives of or consignees for large rubber manufacturers, and under such circumstances purchases through these houses may be said to be direct from the factory. The large mill owner, in need of an important amount of rubber belting or other supplies, is encouraged to buy direct from the manufacturer, from whom he can get what he wants on as good terms as the retail hardwareman, or even better. The small mill owner is not long in learning this situation, and in time the manufacturer—or his western representative—sells to him at the same discount, so that gradually there has come to be left only the small, transient demand for mechanical rubber goods to be filled by the retail hardwareman, and that in towns not convenient to the constantly increasing number of houses devoted exclusively to rubber goods. Another point is that many of these latter send out catalogues broadcast, inviting orders by mail at prices as low or lower than the village hardwareman can sell them, while the stock to select from is much greater than the ordinary hardware store can afford to keep.

THINGS HARDWAREMEN CAN HANDLE.

Yet, there is, in the vast field of rubber manufacture, a chance for each individual hardwareman to select something for which

a demand exists, or can be created, in his own locality, if he will make a point of looking out for what is novel or particularly good. There will be little demand for garden hose or rubber plumbers' supplies, except in towns having waterworks, or for divers' hose in inland villages, or for grain drill tubes or threshing machine belts, except in the grain-growing districts. But there are other articles, adapted to more universal use, which the hardwareman may often be the means of introducing to the notice of his patrons, to their satisfaction and with profit to himself. If he sells curry combs, he may offer those made of rubber; if horseshoes, there are special makes with rubber pads. Then, there are rubber plant sprinklers for garden use, rubber pump valves, rubber cement, rubber window cleaners, rubber ice aprons and hundreds of other specialties listed in the catalogues of the mechanical rubber goods manufacturers.

DRAWBACKS IN THE RUBBER TRADE.

There are drawbacks to the rubber line in that some articles—garden hose particularly—are in demand only in certain seasons, but this is equally true of scythes and not a few other articles in the hardware branch proper. Another point is, that rubber goods do not improve with age, but quite the contrary, even when made in the best manner. With regard to cheap rubber goods, the less

GILBERTSON'S

"COMET"

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**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

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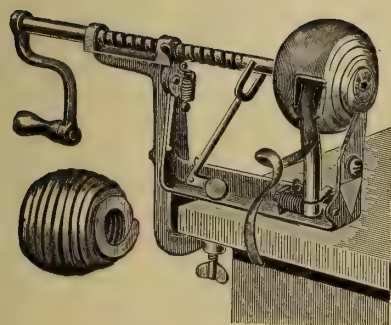
Agent . . . 22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

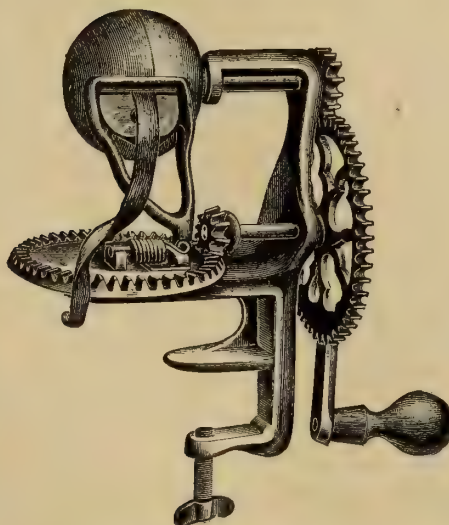
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Merchants**

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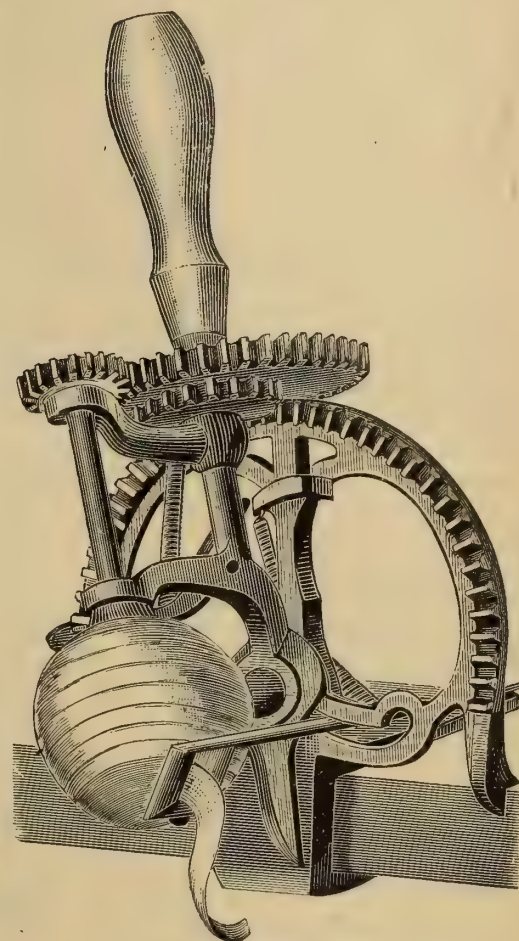
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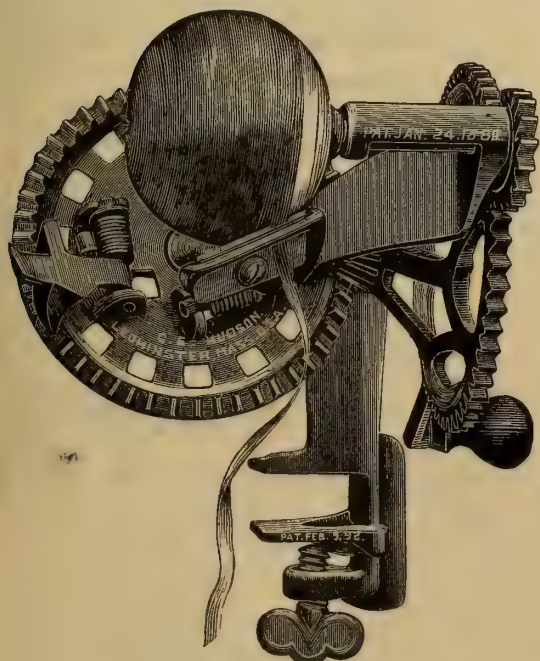
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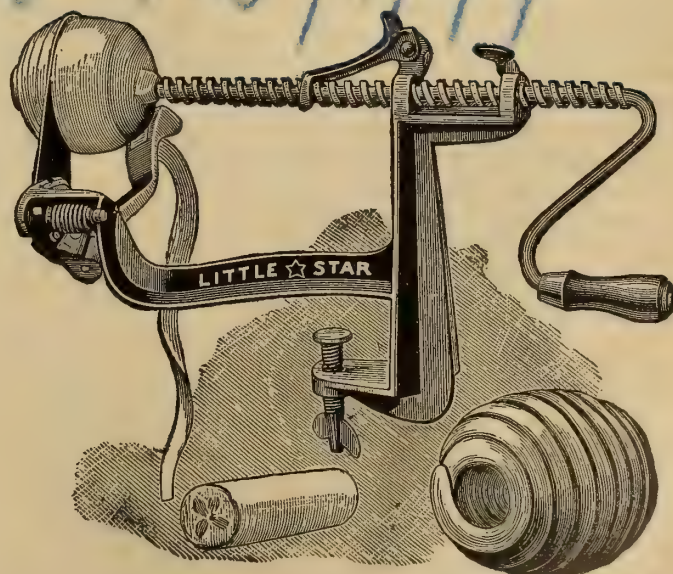
TURN TABLE.



NEW LIGHTNING.



ROCKING TABLE.



LITTLE STAR.

ORDER FILLED PROMPTLY.

GRAHAM Cut and Wire Nails are the Best.

that one has to do with them the better. It should be understood that, under all circumstances, crude rubber is an expensive commodity. The machinery requisite for its manipulation is costly, skilled labor is required to prepare it in merchantable shapes, and the various other materials which are as essential in the manufacture of rubber goods as the rubber itself, all cost money, if they are of good quality. It is plain, therefore, that a point is easily reached below which no honestly made goods can be sold at a profit. The buyer of rubber goods, therefore, wants to ask himself whether or not the prices quoted to him are high enough to make it reasonable to suppose that a good article may be expected.

CHEAP RUBBER GOODS UNSATISFACTORY.

But one who is unwilling to pay for a good article in rubber is certain to experience trouble in the use of what he does buy. Unfortunately, there are no easy tests of quality for rubber goods, and much rotten hose is sold because to the casual buyer one piece is as good as another, and he is apt to select the one offered for the least money. The policy of the hardwareman should be to cultivate relations only with manufacturers of the highest standing—not those offering the biggest discounts—and then to impress upon his patrons that, while he doesn't handle the lowest-priced rubber goods in the market, what he does sell will give good service.

ADVERTISING WISDOM.

The habit of filling a show window with all kinds of goods is questionable, as far as reaching, in the best possible way, the eyes of the public is concerned. The mixing of cheap with the better class of goods must necessarily suggest comparisons, and, while in some cases is very desirable, is oftener the very opposite, says the St. Joe Journal of Commerce. It is liable to unsettle the possible purchaser and promote dissatisfaction and indecision, all of which is fatal to the object of the dealer. Some people have the idea that anything will do in a window if it is only worth looking at, or if it is cheap, and the result is windows that look like a junk shop. A trial of this plan will convince any live dealer that the window that seems at one point like an advertisement and a shot gun does the best execution. Windows should be dressed as frequently as possible, and the changes, while radical, should not be such as to bewilder the passer-by. The best window dressers adopt this plan, and claim that when it is followed the result is handsome returns, and that is what all merchants are after. From some of the windows he sees, one often wonders how the store can thrive with such a manifest lack of ideas.

"ATLAS" POLISHING WHEELS.

THE London Emery Works Co., 10 and 12 Vine street, Clerkenwell, London, E.C., are seeking first-class agents, in Canada, for "Atlas" grinding and polishing goods, including emery wheels, in various sections and shapes, for general and special purposes, emery files, blocks, slabs, discs, stones, etc.; emery cloths, boards, paper, etc.; ground flint, flint paper, cloth, etc.; ground glass, glass cloth, paper etc.; black lead, glue, grinding and polishing machinery; polishing materials, such as pumice, rotten stone, crocus, tripoli, putty powder, etc.; scythe and table knife sharpeners, etc. This firm is making a specialty, at present, of "Atlas" cork polishing wheels.

There has been, for some time, a demand from grinders and polishers for a flexible polishing wheel. Wood wheels, bobs, etc., have not met the demand, through one fault or another, so this new article, a polishing wheel, made of a uniform composition of cork, is destined to be received with much favor, as its great flexibility renders it suitable for the finest work. It will always retain its shape or form, insuring against breakage, and it offers great power of resistance against influence of heat or dampness.

BRITISH SHIPPING RETURNS.

The Board of Trade has issued an annual statement of the navigation and shipping of the United Kingdom for the year 1897. As the statement also contains comparative figures for 1896 and 1895, an opportunity is afforded of learning how far our shipping industry has progressed during the last three years. The total volume of trade as represented by the tonnage of the vessels, including their repeated voyages, that entered and cleared, with cargoes and in ballast, at ports in the United Kingdom and to foreign countries and British possessions and coastwise, was as follows:

Year.	Tonnage.
1897	196,134,838
1896	189,688,509
1895	182,107,668

The increase, therefore, in 1897 was 6,445,329 tons over 1896, and 14,027,170 tons over 1895. British vessels are credited with the largest proportion of this increase, their advance last year being 4,280,435 tons over 1896 and 9,460,018 tons over 1895. Foreign vessels, on the other hand, had in 1897 an increase of 2,175,894 tons over the previous year and 4,367,149 tons over 1895. In our foreign or ocean-carrying trade the total tonnage employed in 1897 was 90,198,863, showing an advance of 4,736,421 tons over 1896 and of 9,559,639 tons over 1895. The British portion of this total came in 1897 to 64,426,545 tons, an increase of 2,954,411 over 1896 and of 5,734,619 over 1895. To foreign vessels the credit has to be given of a total in 1897 of 25,772,318 tons, an advance of 1,762,030 tons over 1896 and of 3,925,070 over 1895.

Safes, Scales Trucks, Barrows, etc.

Goldie & McCullough's Safes, Vaults, Doors, etc.
Standard Scales of every size and variety
Trucks and Barrows for every service
Show Cases, every design and size.
Butchers' and Blacksmiths' Supplies.
Second-hand Safes bought, sold, exchanged or repaired.

F. M. SULLIVAN.

Office—308 St. James St.

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Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

PICTURE CORDS, SHADE CORDS, PICTURE and SHADE HARDWARE, SOLID BRAIDED CORDAGE, BICYCLE DRESS GUARD LACING.

.....Ask your jobber for our goods

THE OSSAWAN MILLS CO.

Norwich, Conn., U. S. A.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent,
April 3 1897.

With Plated Rust Proof and Guarded Spring.
"The Latest and Best." Sold by all Leading
Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety,
Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and
Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
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AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods
We make a specialty of.... Can ship promptly and supply the very best

"Hand Shaved"

Octagon
Axe Handles

Made by
Indians

being the largest dealers in Canada in this line.
Can give exceptional value.
Have 5,000 dozen of these handles
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Write for prices.

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W. C. CRAWFORD

Tilbury, Ont.

Window Glass



We have a large, well assorted stock.

Sanderson Percy & Co., - Toronto



Stove Boards

Lithographed and
Crystallized.

SEAMLESS

The only makers in Canada of Stove Boards with Seamless Corners.

The THOS. DAVIDSON MFG. CO., Limited

Coal Hods, Elbows, Stovepipe, Fire Shovels, etc.

MONTREAL

CANADIAN ADVERTISING is best done by THE
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**READY MIXED PAINTS and
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New White Metal Polish

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The Queen of Polishes.

Imparts instantaneously a dazzling and lasting
BRILLIANCY
to Brass, Tin, Nickel, Zinc, Gold, Silver, etc. Free
from grit or emery, and will not scratch the finest
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Will give you any information in reference
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If you have or know of any Minerals you
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Sheet Steel Building Materials

are now being largely used for all classes of buildings,
and, as these goods are bound to be an important
department of every Hardware and Tin shop in the
Dominion, we take this opportunity of asking you to
write us regarding prices to the Trade.

Our goods are **the best** on the market, and our
prices meet any competition. Yours truly,

The Pedlar Metal Roofing Co.

OSHAWA, ONTARIO.

IRON ORES OF CANADA.

THESE can be little doubt that the vast deposits known to exist in the Lake Superior region, extend northwards and appear again on the other side of the frontier, and that the ores there found are of as rich a quality as any contained in the Mesabi range, although little, if any, working has been yet done in this district. In the eastern part of the Province of Ontario there are known to exist large and continuous bodies of ore, and these are only awaiting the necessary demand to be largely productive. The rocks and ores in them are said to be similar to the conditions and qualities which exist, and are now being worked in Sweden. The same rocks which carry iron ore in this part of the Province, are said to cross the St. Lawrence and run into the north of New York State, touching also New Jersey. As in the Swedish ores, a considerable amount of hornblende almost invariably accompanies the ore, though, as a rule, it is pretty free from phosphorus, but contains some sulphur. Of this ore, the following analyses have been taken of magnetite and hæmatite, both of which descriptions are found here, sometimes occurring together :

	Magnetite Per cent.	Hæmatite Per cent.
Ferric oxide.....	63.56	82.25
Ferrous oxide.....	27.00	....
Alumina.....	.93	} 16.05
Silica.....	3.89	
Lime.....	2.59	traces
Magnesia.....	1.97	....
Sulphur.....	.06	....
Phosphorus.....	traces	.026

These samples yield metallic iron to the extent of 65.39 per cent. and 57.60 per cent., respectively. About 80 miles east of Toronto considerable quantities of magnetic iron ores exist. At Killarney, on the Georgian Bay, the ore yields 60.85 per cent. metallic value, no titanium, and only traces of phosphorus and sulphur. The main bed in this district is about 20 feet thick, and is therefore easily workable. Five miles north of Thunder Bay, where the deposit is in some places from 40 to 50 feet in thickness, the ore yields from 68 to 69 per cent. of iron. At the Calabogie Lake, which has, as yet, been very little mined, the contents of iron runs to about 58 to 59 per cent., with .028 to .2 of phosphorus, .38 to .1 of sulphur, and silica from 4.28 to 4.35 per cent. respectively. About 24 miles south of these mines are deposits which were leased to The Bethlehem Iron Co. The description of ore is magnetite, and it is stated that the walls are well defined and persistent, varying in thickness from 2 to 31 feet. The composition of this ore is given as follows :

	Per cent.	Per cent.
Iron.....	58.49	63.73
Silica.....	9.15	4.46
Alumina.....	.28	....
Manganese.....	1.79	....
Lime.....	3.32	....
Magnesia.....	5.66	....
Phosphorus.....	.025	.028
Sulphur.....	.12	.032

At the Roberts mines, some ten miles farther south, the ore averages 55.77 to 63.2 per cent. of metallic iron, while a hard, compact ore mined at the Glendower mines, a considerable quantity of which was transported to Ohio a short time back, yields 60.90 to 64.89 per cent. of metallic iron, and other ingredients as follows : Silica, 6.26 to 10.67 ; manganese, .47 to .80 ; alumina, .50 to .75 ; sulphur, .071 to .42 ; phosphorus, .01. to .02 ; titanic oxide, nil and trace ; lime, .09 to 1.86 ; and magnesia, .98 to 5.29 ; an ore low in phosphorus and richer in metallic iron than those of Spain, and equal, on the whole, to the best ore mined in Sweden. The largest customer for these Ontario ores has been the United States, though, since then, our Lake Superior region has been so extensively developed, the imports from Canada have greatly declined. Many of these deposits are situated on or near the lakes, and are, therefore, capable of being easily shipped, providing the loading facilities are good, not always the strongest point in new fields of mining. Farther to the east—that is, in the Province of Quebec—the ores are also of a highly valuable description, and occur in some parts in large and workable quantities. The chief of these are, perhaps, the deposits in the townships of Hull and Templeton, opposite to the city of Ottawa. The ore is of a magnetic description, hard and crystalline in character, yielding, on analysis, the following constituents. In the second column the ore is a mixture of magnetite and hematite :

	Per cent.	Per cent.
Sesquioxide of iron.....	93.82	66.20
Protoxide of iron.....	....	19.78
Protoxide of manganese..	.12	traces
Alumina.....	.79	....
Lime.....	.45	1.85
Magnesia.....	.94	.18
Phosphoric acid.....	.08	.015
Sulphur.....	.11	.28
Carbonic acid.....	....	1.17
Silica.....	3.75	11.11

The metallic iron yielded by these two samples was 60.19 per cent. and 62.52 per cent., respectively, while the ore beds from which they were taken run to a thickness, in some places, of 90 feet. Ten miles further from Ottawa, in this Province, the hematite iron existing there is sesquioxide ore of 88.08 per cent., with phosphoric acid of .16 and sulphur .03 per cent., though the deposit is not nearly so valuable as the first-mentioned, being more expensive in the work-

ing. Fifty miles N.N.W. of Kingston, on Lake Ontario, the ore, as analyzed by Dr. Sterry Hunt, is a sesquioxide of 82.22 per cent., phosphorus of .012, and yielding metallic iron to the extent of 64.61. At the Bristol mines, in the same Province, a hard magnetite is found, which, however, contains a considerable amount of sulphur. The metallic value of the ore runs from 58.37 to 66.50 per cent.; sulphur, nil to 2.4 ; phosphorus, from nil to .008 per cent. The roasted ore yields, however, 62.5 to 63.24 per cent. of iron, .52 to 2.2 of sulphur, and phosphorus from nil to .014. The ore occurs in two lodes, running from north-northwest to south-southwest. The northern lode is calculated to be 150 feet wide, and the southern about 250 feet. It appears that little lean ore is worked from these deposits, the result being, on the whole, of a very favorable character.

There also exist various deposits in the northern part of the Province, towards James' Bay and the Mattagamic river, but they are scarcely extensive and valuable enough to warrant mention here. The average metallic value of the ore, which is spathic in character, partly altered to limonite, is given at 52.42 per cent.

With regard to Nova Scotia, of course, the Londonderry deposits are well known. They are, however, not too low in phosphorus, and average in metallic iron between 57 and 60 per cent. Analyses of these ores are given below, the samples being taken from various mines.

	Per cent.	Per cent.	Per cent.
Sesquioxide of iron.....	84.73	82.65	82.13
Protoxide of iron.....	trace	trace	1.00
Protoxide of manganese..	.23	.25	.72
Alumina.....	.23	.56	.66
Lime.....	.14	.15	.88
Magnesia.....	.14	.10	.25
Silica.....	—	—	1.93
Phosphoric acid.....	.19	.38	.86
Sulphuric acid.....	.01	.02	.04
Water.....	1.07	10.51	11.07

The metallic iron yielded by these ores is 59.31, 57.85, and 58.77, with .08, .166, and .37 per cent. of phosphorus. this content of phosphorus is in many cases no larger than that of the Swedish ore, and less than that of the Minette ore of Luxembourg. In Pictou county, Nova Scotia, the phosphorus is considerably lower, the silica, higher, and the ore generally more workable. The physical characteristics of the deposits resemble the hard fossil ores of the same period and found in Central Pennsylvania, and it may be interesting to give in more detail the contents of these ores, as showing the difference exhibited between those occurring in this region and in the one just referred to. Here the phosphorus is as low as in the ores of Spain, and in many cases lower, and considerably less than in

the best ores of Sweden. It compares also to great advantage with the Lake Superior ores in this respect at least, though, in regard to the metallic value of the ore, it is not so rich as that in the Marquette region. In order to see clearly the comparative merits of the Pictou ore, with that of Canada and Lake Superior, the following table is presented.

	Pictou ores.		Canada.		Lake Superior.	
	Per cent.		Per cent.		Per cent.	
Iron.....	56.83	65.20	60.19	65.39	64.01	65.00
Phosphorus....	Nil.		.08*	trace	.038	.048
Manganese.....	.20	1.10	.12	....	.24	.07
Alumina.....	....	....	.79	.93	1.40	1.70
Lime.....	....	....	.45	2.59	.35	.705
Magnesia.....	....	....	.94	1.97	.21	.50
Sulphur.....	.15	....	.11	.06	.019	.05
Silica.....	traces	.04	3.75	3.89	5.50	3.85
Titanic acid.....	4.26	4.80	....	....	....	....
Moisture.....	13.60	....	....	....	9.63	.80

*Phosphoric acid.

—Colliery Guardian.

WHY CANADA DID NOT GET THE ORDER.

In conversation with a manufacturers' agent in St. John, N.B., a few days ago, he related to me the following circumstances as showing the difference in the mode of doing business in Canada and United States. He wrote three firms on the same day asking for samples for the exhibition in St. John. The United States firms answered at once, saying samples were being got ready. The Canadian firm wrote they had not time to bother with it.

He said he believed the Canadian firm was too indifferent, and that the result would be that the American firms would get the trade, and then the Canadians would wonder why it was they could not sell the goods.

The same man showed me samples of goods made by another Canadian firm, received over one year ago, and said he had never heard from them, and asked me if they were in business. When informed that they were, he said he would go ahead and sell the goods, but that he dare not do it for fear they would not be filled. I might say this latter firm has been repeatedly canvassed for an advertisement, but it could not see what use advertising would be. An ad. in *HARDWARE AND METAL* would have, at least, let this man know the firm was still alive.

H. L. P.

PERSONAL MENTION.

W. B. Robertson, representing The Iron-monger, London, Eng., spent a few days in Toronto this week.

David Brocklebank, hardware dealer, Arthur, Ont., is spending a few days in Toronto. He states that business has been good in Arthur during the past summer, and that prospects are bright for the fall and winter.

"JUST AS GOOD."

THERE is a great probability that the inventive genius of man will not soon be exhausted in contriving articles which are generally termed "just as good," remarks Stoves and Hardware Reporter. People who still maintain that originality is preferable, will decry and harshly criticize this method of procedure, while those who invent these so-called "just as good" things, certainly will not give up their schemes, unless forced to, as their consciences are not sufficiently sensitive to restrain them. It is likely, therefore, that they will keep on manufacturing spurious and imitative goods.

The person who has the temerity to make copies of articles which are of recent invention, may feel more qualms of conscience than another who imitates some older thing, the patent of which has nearly expired, or is about to expire. As the law now stands, a man can only enjoy the fruits of his inventive genius for but a few years.

An example of this, mentioned by a scientific journal, was the origin of the wheelbarrow, which has been of such practical use to humanity; nevertheless, innumerable manufacturers boast of the superiority of their manufactures without reflecting that the idea was purloined. Ultimately, this practice of offering one thing in place of another, or making copies of something, is looked upon as a substitution which may be received amicably by a patiently suffering public as long as there is not such a palpable difference between the original and imitated that the infringement becomes unfavorably known by its inferiority. At the best, it is an unlawful practice which does much harm and may bring the imitator to grief.

MEXICO WANTS BICYCLES.

There is an encouraging demand for bicycles and parts in Mexico. Consul-General Pollard, writing from Monterey, August 13, answers questions, propounded by an association of bicycle manufacturers in the United States, as follows: "No bicycles are manufactured in the Republic of Mexico. Several firms buy all the component parts of machines and put them together afterward, but the complete wheel is not manufactured in Mexico. All the parts are procured from the United States, and almost all the machines manufactured in the United States are represented in Mexico. The chief importers of bicycle parts are: Howe & Co., of Monterey; Moler & De-grees, of Mexico City, and Pomery & Co., of Guadalajara. The prospects for increased traffic in goods of high quality are promising. The entire component parts of each wheel, however, are demanded, owing to the number of different makes in

the country. The duty on parts of bicycles not nickel plated is 2 cents per kilogram (2.2046 pounds); on parts nickel plated, it is 20 cents per kilogram. With reference to the future of bicycles in Mexico, it may be interesting to state that for the last four years the demand therefor has increased each successive year more than 5 per cent. over that of the preceding year. There is no doubt that anyone having capital to start a manufactory in this republic would meet with success, and that large gains would ensue to the investors in such an enterprise. There are good prospects, too, for the manufacture of rubber tires and rubber parts of bicycles. The raw material can be obtained in Mexico for this purpose."—N. Y. Journal of Commerce.

A DEPRESSED CYCLE INDUSTRY.

Very depressing accounts come to hand regarding the state of the cycle industry in Birmingham. The demand for machines, for the present season, from manufacturers is, of course, now at an end, and I am told that hundreds of workmen at Birmingham, Wolverhampton and Coventry, are out of employment, and many of them are destitute. During the "boom" of 1896, thousands of workmen left other trades to commence cycle component making, and now, when they would return, they find their places filled up. Compared with 12 or 15 months ago, the number now employed in the trade at Coventry alone is, it is stated, probably from 3,000 to 4,000 fewer. Manufacturers are, however, anticipating better trade next year, and are busy preparing for the December shows. A few novelties may then be introduced, but it is not thought that there will be any radical alteration in design. The demand this season has run chiefly for the cheaper descriptions of machine, but in these the Americans have been found to be keen competitors. I should not, under the circumstances, be at all surprised to see a great reduction in prices next year. When at Birmingham recently, I was told that one firm was endeavouring to get rid of its stock at what would have been ridiculously low prices for high-grade machines. It will be interesting to analyze the next balance sheets of the leading cycle manufacturing firms when they appear.—Iron-mongery.

In the case of the Wright Cowper Co., bicycle dealers, 2460 St. Catharine street, Montreal, who assigned on the 6th inst., a statement has been filed, showing that the liabilities amount to about \$3,000. The assets consist in fixtures and stock in trade. A meeting of the creditors has been summoned for the 13th inst.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Sept. 8, 1898.

HARDWARE.

IN general hardware a fair movement in all lines is reported for the season, and especially so in cut nails, horsenails, screws and bolts. The feeling generally is steady and prices in consequence throughout the list show no material change. The prospects for the fall trade are somewhat encouraging, as reports, generally, from country points indicate that stocks of most lines have been pretty well worked off. On the whole, however, the market is without any special phase to mention.

BARB WIRE—This line is still exceedingly quiet, and prices rule steady on the basis of \$2.

PLAIN WIRE—The movement is about up to expectations, especially in the quality used for hay baling. Discounts are unchanged: Oiled and annealed, 40 per cent., and galvanized, 35 per cent.

WIRE NAILS—The cutting in prices for this article still continues. The demand is

fair and prices quoted at \$1.75 f.o.b. Montreal.

CUT NAILS—Business in this line is principally of a small jobbing character. We quote \$1.70 f.o.b. Montreal.

HORSE NAILS—The demand is fair for small lots, and discounts are unchanged at 50 per cent. on standard and 50 and 20 on Acadia brand.

HORSESHOES—A fair trade continues to be done in horseshoes. We quote: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35.

SCREWS—Demand good, with no change in discounts to note. Discounts are as follows: Flat head bright, 87½; round head do., 80; flat head, brass, 82½; and 10; round head brass, 75. Machine screws, iron and brass, flat head, discount 25 per cent.; round head, 20 per cent.; coach screws, 75.

BOLTS—A good jobbing trade is reported. Discounts are as follows: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼

and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS—There is no change and a moderate trade is reported. Discounts are as follows: Iron, black and tinned, all sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Demand slow and prices easy. We quote: Sisal, 7-16 and up, 10½c.; ¾, 11c.; 5-16 and ¼, 11½c., and 3-16, 12c.; manilla, 7-16, 12¾c.; ¾, 13¼c.; 5-16 and ¼, 13¾c., and 3-16, 14¼c.

HINGES—Trade is fair, and prices are maintained. We quote as follows: 6 to 12 inch, \$3.15 per 100 lb.; 14 inch, \$2.35; T and strap, 70 and 10 per cent., and screen door, \$6.50 per gross pair.

BUILDING PAPER—This line is quiet and featureless. We quote: "Good Luck" fibre-tarred, 45c.; dried, 35c.; "Shield" brand, sheathing, tarred, 27c.; dried, 22c.; "Dominion" brand, tarred roofing felt, \$1.10.

LONDON, ONT., August 31, 1898.

WE WRITE OUR CUSTOMERS to make our offices their headquarters during the Toronto and London Fairs.

Our District Travellers will be on hand to assist entertain you and provide any information you may require.

We have the largest plant in Canada for the manufacture of goods and materials for the STOVE, TIN AND FURNACE TRADES.

*IF YOU WANT YOUR GOODS QUICK,
ORDER FROM McCLARY'S*

THE McCLARY MANUFACTURING CO.

London, Toronto, Montreal, Winnipeg and Vancouver.

APOLLO BEST BLOOM GALVANIZED IRON.

Don't use refractory galvanized iron—you might as well use poor tools as poor stuff.

The standard is Apollo.

Apollo Iron and Steel Company
Vandergrift Building
Pittsburgh, Pennsylvania.

Fire Bricks and Fire Clay Boiler Seating Blocks Gas Retorts Stove Linings and Grate Backs Portland Cements

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co. FACTORIES

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CUT NAILS

Clinch and Pressed Nails, Horse Shoes (Steel and Iron), Railway and Pressed Spikes, Mine and Wharf Spikes, Drift Bolts, Washers (Steel and Iron).

CANADA IRON FURNACE CO., Limited.

Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que.
Lac a lac Tortue.

Three Rivers.
Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

METALS.

The general tone of the market for most lines is steady, with the exception of lead, which is weaker, but no actual decline in prices has taken place yet. Copper is firmer, and sheet steel, iron and steel plates have advanced fully 10 per cent. Iron pipe is strong and prices have been marked up 5 per cent., in sympathy with a similar advance recently made by American manufacturers. Galvanized iron, and all roofing material, is in good demand.

PIG IRON—There is no trade in this line and trade is quiet at the moment. We quote : No. 1 Hamilton, \$15 to \$15.50 ; No. 2, \$14.50 ; Ferrona, \$14.50 to \$15 ; Siemens, \$14.50 to \$15, and Summerlee and equal brands, \$17, ex wharf, and \$18 to \$18.50 ex yard.

BAR IRON—An advance of 10c. has been established in the price of bar iron, with a good demand at \$1.45 to \$1.50.

HOOPS AND BANDS—The movement is small at \$1.75 to \$2.

SHEET STEEL—The feeling has been stronger and prices are now 10 per cent. higher. We quote : 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON—There is a stronger feeling in this article and prices have an improved tendency. We quote : \$2.15 on 10 to 16 gauge; \$2 on 18 to 20 gauge; \$2.10 on 22 to 24 gauge; \$2.20 on 26 gauge, and \$2.25 on 28 gauge.

GALVANIZED IRON—Demand good and prices firm. We quote as follows : "Queen's Head," No. 28, \$4.10 to \$4.15, and "Comet," \$3.75.

INGOT COPPER—The demand is good, and prices are firmly held at 13c.

SHEET COPPER—There is a still firmer feeling, and values have an upward tendency. We quote : 16-oz. at 16c., and 14-oz. at 17c.; tinned copper, 16-oz., 18c., and 14-oz., 18½c.

INGOT TIN—Prices are firm at the recent advance, with a fair trade. We quote : "Straits" 18c., and "Lamb" and "Flag" 18½c.

PIG LEAD—There is a weaker feeling in lead, and present prices would be shaded, viz., \$3.80.

IRON PIPE—The demand is active, and the mills are so full of orders that dealers find it impossible to obtain anything like prompt delivery. Prices have advanced 5 per cent. We quote as follows : Black pipe, ¼-inch and ⅜-inch, \$1.95 ; ½-inch, \$2.20; ¾-inch, \$2.60 ; 1-inch, \$3.60; 1¼-inch, \$4.75 ; 1½-inch, \$6.15, and 2-inch, \$8.25. Galvanized, ½-inch, \$3.75 ; ¾-inch, \$4.50 ; 1-inch, \$6.30 ;

A. C. LESLIE & CO.

IRON, STEEL and METALS

Sanderson's Cast Steel,
"Gautier" Merchant Steel,
Barbed and Smooth Fencing Wire,
Tin, Terne, and Canada Plates,
Iron and Steel Plates and Sheets,
Coil Chain, Poultry Netting, Etc.

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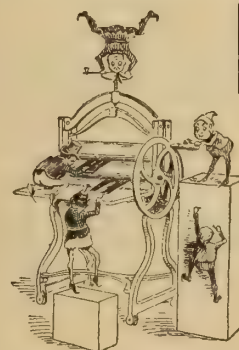
"GREENING'S

Cow Ties."

These Cow Ties have stood the test for years. Undoubtedly the best and strongest on the market. It will pay to handle only the best. A complete line of all sizes ready for shipment. For sale by all jobbers.

The B. Greening Wire Co.
LIMITED

MONTREAL AND HAMILTON.



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited
Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

1 1/4-inch, \$8.65; 1 1/2-inch, \$11, and 2-inch, \$15.

LEAD PIPE—Quiet and unchanged. Lead pipe 7c., and composition waste 7 1/2c., with 25 per cent. discount.

CANADA PLATES—A fair trade continues to be done, but the undertone is somewhat easier, and prices are being shaded in some cases. We quote: 52's, \$2.15 to \$2.20; 60's \$2.30, and 75's \$2.40 to \$2.45. Full polished, \$3.

TIN PLATE—The demand continues fair, and values show no alteration. We quote: Coke, I. C., \$2.90 to \$3.25; charcoal, I. C., Allaway or Comet brands, \$3.25; do, I. X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I. C., \$3.95; do, I. X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Demand continues, and values are firmly held at \$6 to \$6.25.

COIL CHAIN—Trade in this line is quieter. We quote: 1/4-inch, \$5; 5-16, \$3.50; 3/8, \$3.25; 7-16, \$3.15; 1/2-inch, \$3, and 5/8 up, \$2.85.

SHEET ZINC—Movement fair and values unchanged at 5 3/4 to 6c.

SOLDER—Demand good with no change in price to note.

ANTIMONY—Round lots are changing hands at 9 1/2c.

SPELTER—The demand is fair at \$5.40 to \$5.50.

CEMENT—The demand for cement is good, but, owing to the temporary scarcity, buyers find it difficult to fill their wants, in consequence, prices for prompt delivery have advanced 5 to 10c. per bbl., but importers are booking orders for future delivery at the old rates, as there are some large quantities on the way, but at present stocks here are nil. Foreign advices are strong, and state that English makers have already contracted for their next year's output. We quote: Belgian, \$1.85 to \$2.05; German, \$2.35 to \$2.50, and English, \$2.25 to \$2.35.

FIREBRICKS—Demand continues fair, at prices ranging from \$16 to \$21 per 1,000, as to brand.

GLASS.

The undertone to the glass market is strong, and prices must advance in the near future, as new stock is costing more money, and makers in Germany have more orders on hand than they can fill. We quote: First break, \$1.50; second, \$1.60 per 50 feet; first break per 100 feet, \$2.80; second, \$3; third, \$3.30; fourth, \$3.50; fifth, \$3.70; sixth, \$4.25, and seventh, \$4.75.

PAINTS AND OILS.

The feature in this line has been the strong feeling in turpentine, and, in sympathy with advices from the south, prices have scored another rise of 2c. per gallon. The demand for most lines is quiet.

WHITE LEAD—Best brands, Government standard, \$5.62 1/2; No. 1, \$5.25; No. 2, \$4.87 1/2; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4 1/2c.; kegs, 4 3/4c.; No. 1, casks, 4 1/4c.; kegs, 4 1/2c.

WHITE ZINC PAINT—Pure, 6 1/2c.; No. 1, 5 3/4c.; No. 2, 5c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 48c.; boiled, 51c., five-barrel lots one cent less net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 47c.; large lots, 1c. less, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8 1/4 to 8 1/2c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4 1/2 to 5 1/2c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

The feature in this market during the week has been the excitement in lambskins. On the first of the month dealers decided to advance prices 10c. per skin to 50c., but a day or two later the competition became keen and prices were marked up another 10c. to 60c., and to-day the ruling figures are 65 to 70c. with some butchers asking 75c. Beef hides are unchanged at 9c. for No. 1; 8c. for No. 2, and 7c. No. 3.

ONTARIO MARKETS.

TORONTO, Sept. 9, 1898.

HARDWARE.

THIS is the second week of the Industrial Exhibition, and it has seen a large number of country merchants in the city and in the warehouses. The general opinion is that the number is larger than usual. The orders they have been placing are satisfactory, some of them being of good proportions. As most of the travelers are in the warehouses looking after their customers, very few travelers' orders are coming in, but a good many letter orders are being received. Hardware prices are without quotable change.

BARB WIRE—Business is very moderate indeed. We quote: Four point, \$1.85 f.o.b. Toronto and London, and two point at \$1.90. Terms, 30 days or 2 per cent 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—There is practically nothing doing. Discounts are: Annealed, oiled and annealed, 35 per cent.;

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

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Best German, English and Belgian Brands

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Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.**

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**ADAM HOPE & CO.
30 John Street, - Hamilton**

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GALVANIZED SHEET IRON

"QUEEN'S HEAD"

"JUNIATA"

RUSSIA IRON

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PIG TIN. LAKE COPPER

MONTANA COPPER. SPELTER

ANTIMONY, ETC.

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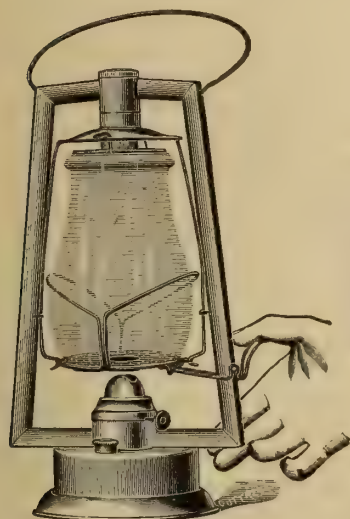
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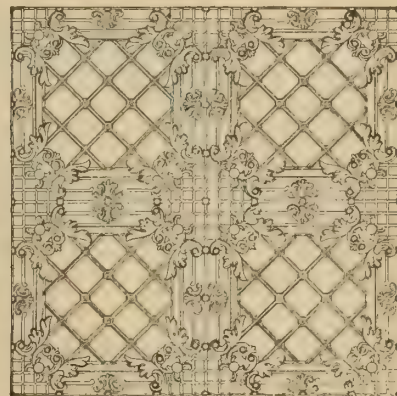


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"CRESCENT" COAT and HAT HOOKS

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SECOND TO NONE

galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 35 per cent.

WIRE NAILS—Business remains steady, but prices are unsatisfactory, and quotations are from \$1.75 to \$1.80, Toronto.

CUT NAILS—Trade keeps quiet. Price is unchanged at \$1.75 base with 5c. per keg rebate, Toronto, Montreal, Hamilton and London.

HORSE NAILS—Business remains steady. Discounts are: Standard, 50 per cent.; Acadia, 50 and 20 per cent.

HORSESHOES—Trade has improved this week. Very few steel shoes are moving. We quote: Iron shoes, light, medium, and heavy, \$3.25 f. o. b. Toronto, Hamilton, London, Guelph St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—A fairly good trade is being done. Discounts are: Flat head bright, 87½ per cent; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—Trade has fallen off a good deal, although the movement is still fair. We quote: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¼c.; hexagon, 5¼c.

RIVETS AND BURRS—A steady business is reported at unchanged prices. We quote: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—The hemp market is stronger, but no change in the price of rope has yet taken place. The improvement in the demand noted last week has been maintained. We quote: Sisal, 7-16 in. and larger, 10½c.; ¾ in., 11c.; ¼ and 5-16 in., 11½c.; Manilla, 7-16 in. and larger, 13c.; ¾ in., 13½c.; ¼ and 5-16 in., 14c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8½c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—Are going out freely, and a scarcity is being experienced in the larger sizes. We quote: Rope halters, ¾ in., \$8.25 to \$8.50 per gross; ½ in., \$9.25 to \$9.50; ⅜ in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼

in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—Trade is slow. We quote discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—A slight improvement in the demand is to be noted. We quote: "New Leader" "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50.

BELTING—Trade is only moderate. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

HINGES—Trade continues steady. We quote: 6 to 12 inch, inclusive, at \$3.15 per 100 lb., and 14-inch and upwards at \$2.35; light T and strap, 70 and 10 per cent.; screen door hinges, \$6.50 per gross pair.

SPADES, SHOVELS AND GRAIN SCOOPS—As far as spades and shovels are concerned there is very little doing. In grain scoops there is a good demand, but a scarcity is still to be noted. Discount 40 and 10 to 45 and 2½ per cent.

BUILDING PAPER—Business is quiet. We quote as follows: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred; asbestos paper, 6½c. per lb.

SPORTING GOODS—A few guns and rifles and a little ammunition are going out, but the bulk of the trade has been done for the season.

CUTLERY—Business is fairly satisfactory. Some good orders have been placed by country customers during the week.

CEMENT—The demand is still absorbing the supply to the limit. Prices are firm and unchanged. We quote in barrel lots: Canadian Portland, \$2.70 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.35 to \$2.50; Canadian hydraulic cements, \$1.00 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

METALS.

The metal market as a rule is quiet. Galvanized iron has been advanced by the manufacturers, but jobbers' prices are as yet unchanged. Both iron and galvanized pipe are quoted higher.

PIG IRON—Business is quiet, with the market firm. We quote as follows: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$11.80 per ton; No. 2 ditto, \$11.55; No. 1 Northern American

soft, \$11.80; No. 2 ditto, \$11.55. Hamilton iron, No. 1, in 100-ton lots, \$14, on track Toronto.

BAR IRON—Trade shows a slight improvement, with prices unchanged. We quote base price \$1.45 to \$1.55 from stock, and \$1.35 to \$1.45 from factory.

HOOP AND BAND IRON—The improvement in business noted last week has been maintained. We quote: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—Trade has been quite active during the week, principally in the medium gauges. We quote: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—A moderate trade is to be noted quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Stocks are exceedingly light in 28 gauge, in both English and United States makes. We quote as follows: Queen's Head (case lots), 16 gauge, 3¾c.; 18 to 24, \$3.87½c.; 26, 4¼c.; W. G. 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, \$4; 26 gauge, \$3.75; 22 to 24 gauge, \$3.50. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are ¼c. per lb. higher than figures named.

INGOT COPPER—There has been very little moving and prices are firm at 12¼c. for quantities and 13c. for small lots.

INGOT TIN—No large sales are reported; just the usual business in small lots. We quote: Straits, 18½c. per lb.; Lamb and Flag, 19c. per lb.

SHEATHING COPPER, ETC.—Braziers' and roofers' coppers are moving freely. We quote: Sheathing copper, 15½ to 16½c., according to weight and quantity; braziers', 15½ to 17½c. per lb., according to gauge.

PIG LEAD—Trade is fair, but no large quantities are moving. We quote: 4 to 4¼c. for imported and 3½c. for domestic.

IRON PIPE—Prices are higher and a good business is being done. We quote: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.10; ½ inch, \$2.20 to \$2.30; ¾ inch, \$2.65 to \$2.75; 1 inch, \$3.65 to \$3.80; 1¼ inch, \$4.85 to \$5.05; 1½ inch, \$6.30 to \$6.60; 2 inch, \$8.50 to \$8.75.

Galvanized, $\frac{1}{2}$ inch, \$3.87 $\frac{1}{2}$; $\frac{3}{4}$ inch, \$4.75; 1 inch, \$6.75; 1 $\frac{1}{4}$ inch, \$9; 1 $\frac{1}{2}$ inch, \$11.50; 2 inch, \$15.12 $\frac{1}{2}$.

RANGE BOILERS—Business is moderate. We quote as follows: Galvanized, 30 gals., \$5.25 to \$5.50; 35 gal., \$6.25 to \$6.50; 40 gal., \$7.25 to \$7.50; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES—Not much doing. Quotations are: Half-polished, 52-sheet boxes, \$2.35; ditto, 60-sheet boxes, \$2.40; dull, 75-sheet boxes, \$2.50; ditto, "Alaska," \$3.

TIN PLATES—Trade is fair, with prices rather firmer. We quote: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

COIL CHAIN—The improvement noted last week has been maintained, although there is not much doing yet. We quote: $\frac{1}{4}$ in., \$4.65; 5-16 in., \$3.75; $\frac{3}{8}$ in., \$3.25; 7-16 in., \$3.15; $\frac{1}{2}$ in., \$3.10; $\frac{5}{8}$ in., \$2.80; $\frac{3}{4}$ in., \$2.75.

TINNED IRON—Trade is quiet. We quote: In case lots for 22 to 24 gauge, and 2 $\frac{3}{4}$ c. in lesser quantities; cut to size, 24 gauge, case lots, 4 $\frac{3}{4}$ c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6 $\frac{1}{4}$ c. for small lots.

SHEET ZINC—The market is unchanged at the recent advance. Cask lots 6c. per lb. and small quantities 6 $\frac{1}{4}$ c.

SOLDER—Business keeps fair at steady prices. Strictly half-and-half, 12 $\frac{1}{2}$ c.; small lots, 13c.; standard, 11 $\frac{1}{2}$ to 12c. per lb.

ANTIMONY—Trade is still quiet. We quote as follows: Cookson's, cask lots, 10 $\frac{1}{2}$ c.; smaller quantities, 11c.; other makes, 8 $\frac{1}{2}$ to 9c.

ZINC SPELTER—There is still very little doing. We quote 5 $\frac{3}{8}$ c. for ton lots, and 5 $\frac{1}{2}$ c. for small quantities.

PAINTS AND OILS.

Business is quiet. There is no special activity in any line, but there is a small general business reported. Turpentine is higher in the south, and an advance is anticipated within a week or two on the market here. Lead is firm, but there has yet been no advance. In fact, while there is no change to report in the price of any goods there is a firm feeling manifested in every line. We quote:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37 $\frac{1}{2}$; No. 2, \$5.00; No. 3, \$4.62 $\frac{1}{2}$; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 bs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

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MONTREAL

quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 49c.; boiled, 1 to 4 barrels, 52c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 46c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

There is a fair business being done. Prices are firm. Advices from Belgium report another advance in prices. The figures now asked in Belgium are higher than they have been for 12 or 13 years. We quote: First break in 50-foot boxes, \$1.60, and in 100-foot boxes, \$3; double diamond, under 25 united inches, \$4.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL.

There is an excellent demand, with prices firm and possibility of an advance. We quote: Agricultural scrap, 47½c. per cwt.; machinery cast, 55c. per cwt.; stove cast scrap, 32c.; No. 1 wrought scrap, 40 to 50c. per 100 lb.; No. 2, including sheet iron and hoop iron, 10½c.; new light scrap copper, 7¼c. per lb.; bottoms, 7c.; heavy copper, 7½ to 8c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 3½c.; zinc, 2c.; scrap rubber, 3½ to 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—The feeling continues easy at unchanged figures. We quote: No. 1,

8¾c.; No. 2, 7¾c.; No. 3, 6¾c.; cured, 9¼c.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Shearlings and lambskins are firm at 60c.

WOOL—The market is unchanged, little doing owing to difference of opinion on the part of buyers and sellers. Prices are unchanged at 10c. for unwashed and 16c. for fleece.

SEEDS.

The alsike market is dull, both in deliveries and the demand. Prices are unchanged at from \$2.50 to \$4 for all grades, except extra fancy stock, which is worth slightly more. The receipts of timothy have been so light that dealers are not yet willing to give quotations.

SALT.

The demand is now excellent. Prices are unchanged. We quote as follows: Carload lots, \$1.05 per bbl., and 65c. per sack; less than carload lots, \$1.10 per bbl., and 70c. per sack. At the wells we quote F.O.B., barrels, 75c.; sacks, 45c.

COAL.

Prices are firm, and a scarcity of cars creates a difficulty in filling orders. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

PETROLEUM.

The demand is good. Prices are firm and unchanged. We quote at Toronto: Canadian, 13½c.; Sarnia water white, 15c.; American water white, 16½c.; Pratt's astral, 16c., in bulk.

MARKET NOTES.

Galvanized pipe and black pipe are dearer.

Glass is higher in Belgium than it has been for twelve years.

The manufacturers of galvanized iron have advanced their prices about 10c. per 100 lb., but local jobbers have not yet changed their figures.

W. C. Crawford, Tilbury, Ont., reports that he is now running his handle factory overtime, but, if business demands it, he will run night and day, rather than not fill orders the same day as received.

WINDOW DRESSING.

The hen that leaves her nest after a few days' setting, because she does not hear the chirp of chicks, is something like the merchant who quits advertising after the first few "throws," because his first calls haven't filled his store with clamoring customers.—Jed Scarboro.

THE DEPRECIATION OF TOOLS.

IN estimating the value of a manufacturing plant, either for inventory purposes or for a statement of assets, one of the most uncertain elements to be considered is the real value of the tools, says an exchange. In the case of a machine shop, for instance, large sums have been expended for machine tools, lathes, planers, drill presses, etc., while the motive power, engines, boilers, shafting, pulleys, and other details, all represent investments which, while at work, are returning interest upon their cost, but which are also constantly depreciating at an unknown and variable rate.

Investigation of the practice of existing shops, reveals almost infinite methods of treating this feature, each shop having its own method and no two systems being exactly alike. Some make no attempt at system, merely estimating the value each year, practically only another name for guessing. Others keep an elaborate record, based on the first cost of each machine, depreciating at a fixed percentage rate every year, quite regardless of the fact that the value may bear but small relation to the cost in the first place, and none at all after a few years.

The question is really one which cannot be answered categorially, and no hard-and-fast rule is possible, where so many conflicting conditions enter, but some attempt at system is better than no system at all, even if a certain amount of judgment (or guessing) must be exercised after all. Certain standard tools depreciate very slowly by wear and tear, and, if a moderate expenditure is made to keep them in good order, it is practically safe to estimate their value at a cost of their replacement. In most instances, however, other points must be considered. Among these, a very important one is the fact that a tool or machine may be obsolete in a comparatively short time, and, although in perfect condition, the owner may simply be unable to afford to use it in competition with rivals possessing machines of later design, greater capacity, or more economical performance. The invention of an improved machine for baling cotton, for instance, might render almost valueless hundreds of thousands of dollars' worth of cotton compresses and their attendant machinery, although the latter are now carried as valuable assets in inventory lists. Even when no radical advance is made, the steady improvement in capacity, speed and perfection of product of modern tools, is a factor which has the most important influence on the relative value of older machines. In such cases the question is not "how much is the old machine worth," but "how soon will it be obligatory to us to replace it?"

WORK DONE IN HAMMERING.

MR. CH. FREMONT has recently contributed to the Proceedings of the French Society of Civil Engineers, the results of some very interesting observations on the work done by hammer men in riveting, or at the forge. By means of kinemetographs, he was able to trace the full line of travel of the hammer in different cases, and to calculate the work done with considerable accuracy. The rivet hammers used weighed from 3.3 lbs. to 3.7 lbs. each, or 4.4 lbs. with handle included. Completing the head was done with hammers weighing 9.9 to 11 lb. each; these being used either swung or raised. The photographs showed that on the rise the hammer moves slowly, but rapidly increases in speed on its descent. Using heavy hammers without swinging them, a good striker makes 12 blows in 15 seconds, and does in this time 2,386 foot-pounds of work, or 159 foot-pounds per second. This rate cannot, however, be maintained, and if the periods of rest are few and short, as in horseshoe making, the rate of work falls to 108 or 115 foot-pounds per second.

On the other hand, an exceptionally good man can, for a short period, work at the rate of 202 foot-pounds per second. When, in place of the hammer having a movement of a quadrant only, it is swung the full circle, fewer blocks are struck per minute, but the work done by each blow is greater. Thus, with a 15.4 pound hammer, about nine blows would be struck in 15 seconds, each of which would accomplish 231 foot-pounds of work; but the rate of working falls to 137.4 foot-pounds per second. Striking a side instead of a down blow, an ordinary man, not specially accustomed to such work, strikes 12 blows in 15 seconds with a heavy sledge, each of which is equivalent to from 145 to 159 foot-pounds, and the rate of work is 123 foot-pounds per second. With riveters accustomed to strike in this fashion about 10 per cent. better results are obtained. Usually, however, they use a lighter sledge, weighing about 10 lb., and, with this, can strike 13 to 14 blows in 15 seconds, doing 108 foot-pounds per second. Swinging the sledge, the number of blows falls to 10 in 15 seconds, but the rate of work is unaltered, owing to the blows being heavier.

When striking on a snap, the rate of work is 20 per cent. less. The hand-hammers used by riveters weigh 4 to 4½ lb. each, and the work done per blow is 58 to 65 foot-pounds per second, 4 blows being struck in 5 seconds. Smiths using a 5½-lb. hammer strike one blow per second, and do work at the rate of 72 foot-

pounds per second. In a shoeing forge the results are about 20 per cent. better. In general it was found that with hammers weighing from 2 to 15 lb. the work done was very uniformly equivalent to that due to fall from a height of 13½ feet. — Scientific American.

KEEP UP THE INTEREST.

It is true that at this time of year a decrease in the trade is inevitable, but this dullness in business need not necessarily extend to the cerebral cavities of those who have charge of the store, says Stoves and Hardware Reporter. Hot weather is apt to take some of the spirit and vigor out of the most energetic people, yet, there is no reason why an utter collapse should take place, leaving the victim of this situation without sufficient will-power to force himself to perform his duties in more than a lifeless, perfunctory way which renders them uninteresting and ineffective in their results. Everyone is more or less susceptible to the fatiguing effects of the heat, but those who desire may rise above physical discomfort, ignore its existence to a great degree, maintain a cheerful air and look as kindly as ever upon their fellow beings. Such a manner in a merchant is most pleasing to customers, who like to be welcomed with cordiality instead of indifference. A greater effort than ever should be made now to give the store a bright, cheerful air, and to keep it as cool and clean as possible. By all means do not allow the summer languor to have any effect upon the care of store and stock and window displays, or the advertisements in the papers. There are many lines of goods which ought to be disposed of before the season closes, and, in order to do this properly, newspaper notices ought to be bright, readable and attractive to the public. However limp your linen may be, do not let this characteristic condition extend to newspaper notices; such a public display of lassitude is neither desirable nor flattering, and arouses unfavorable impression in the public's estimation.

The annual meeting of the Canadian Furniture Manufacturers' Association was held on Tuesday at the Walker House, Toronto. The secretary, John R. Shaw, said the advance of 10 per cent. agreed on last year had been beneficial so far as it had been acted up to, and all new designs and goods were being sold at better prices than for the past four years. The election of officers resulted as follows: President, Geo. M. Lagan, Stratford; vice-president, S. Snyder, Waterloo; treasurer, James Baird, Plattsville; secretary, John R. Shaw, Toronto.

ADVANCE IN PIPE.

Manufacturers of iron pipe have advanced their prices and our quotations on both iron and galvanized pipe are marked higher in consequence. We now quote:

IRON PIPE—¼ to ⅜ inch, \$2.10; ½ inch, \$2.20 to \$2.30; ¾ inch, \$2.65 to \$2.75; 1 inch, \$3.65 to \$3.80; 1¼ inch, \$4.85 to \$5.05; 1½ inch, \$6.30 to \$6.60; 2 inch, \$8.50 to \$8.75.

GALVANIZED PIPE—½ inch, \$3.87½; ¾ inch, \$4.75; 1 inch, \$6.75; 1¼ inch, \$9; 1½ inch, \$11.50; 2 inch, \$15.12½.

TO MANUFACTURERS.

A GENTLEMAN CAPABLE OF BUILDING AND putting in operation a modern, up-to-date plant for the manufacture of screen wire cloth, such as is used on doors and windows, desires to correspond with a firm who wish to add such a plant to their business. The protective duty on wire cloth gives an advantage to the Canadian manufacturer. Address, E. E. R., care this Journal. (37)

GENTLEMAN REPRESENTING HIGH-CLASS Hardware firms in the Dominion of Canada and Newfoundland, and having central offices at Toronto desires additional agencies. Highest references given. Will be pleased to correspond on the matter. Address, J. LISTER NICHOLS, 9½ Adelaide Street East, TORONTO. (39)

Standard Goods

Royal Gold Blast Tubular Lanterns
Climax Safety Tubular Lanterns
Safety Extinguishing Lamp Burners
Globe Brand Files and Rasps
Crescent Brand Files and Rasps
Souvenir Stoves and Ranges
Gurney-Tilden Co.'s Locks, Knobs
and Builders' Hardware
Gurney Standard Scales (High Grade)

Represented by

WALTER GROSE
MONTREAL

The above goods for sale by all prominent Wholesale Hardware Houses from the Atlantic to the Pacific.

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

TRADE IN OTHER COUNTRIES THAN OUR OWN.

PIG IRON IN THE UNITED STATES.

ROGERS, BROWN & CO. report as follows under date of Cincinnati, September 3: "During the week under review, the market has strengthened quite decidedly, but there are no further advances in southern irons. The tonnage of orders placed has been considerable, especially for export. A number of unexpected inquiries have appeared from large buyers who were supposed to have covered all their requirements for the next six months. If these negotiations are completed and contracts secured for southern furnaces, it would not be surprising if the producers felt justified in making a moderate advance, at least on the grades most in demand. Much trouble has been experienced in getting forward iron rapidly enough to keep foundries in operation, and it is evident that buyers are carrying very light stock in their yards. No speculative spirit has been exhibited during August, but a heavy amount of business has been transacted in a quiet way. The outlook is hopeful. In Ohio strong irons, made principally from Lake Superior ores, there is greater competition than usual, because of several furnaces changing their product to foundry grades. This fact is holding the market down, and there seems to be greater anxiety to sell Ohio brands than southern, in the central district. The Lake Superior charcoal situation is very firm. It has been customary to carry quite large stocks at lake ports during the winter, but the prospects now are that the furnaces will not be able to do this in any marked degree. The demand for this class of iron is brisk, and prices have an advancing tendency. Inquiry among foundries and rolling mills shows that, with few exceptions, the works are well occupied and have sufficient orders booked ahead to make them feel very comfortable. An effort is being made to gradually advance prices of castings a little, in order to make up the extra cost caused by the advances in pig iron and labor.

NEW YORK MARKETS.

PIG TIN—Irregular cable advices from London was about the only feature of interest. These showed a reaction of 7s. 6d. from an advance that took place on Monday, and also indicated quite free speculative selling. In the New York market business was only fair, and prices averaged slightly lower, with 16.15c. net, ex ship, or in store, and 16.20c. free on board, apparently the top prices for lots of five tons or more.

COPPER—The market remains very firm. The undertone is, in fact, quite strong.

Mining companies are well sold up, despite their heavy output, and some refuse orders that call for deliveries during the next sixty days. Export movement is prominent in this connection, but home consumption is liberal enough to have some effect. Current business is mostly at 12½c. for Lake Superior ingot, 12½ to 12¼c. for electrolytic bars, etc., and 12c. for ordinary casting stock. The London market for merchant bars has advanced about 5s. since Friday of last week.

PIG LEAD—Dealings have been very moderate, and the general market is momentarily rather soft, with 4.05c. seemingly the top for common domestic. There is moderate business only and scarcely any vigor to the demand. London advices quoted a slight decline on Spanish lead.

SPELTER—Little has been done here outside of carload lot business, and there is no more of this than can be cared for by sales agents. Still, the available stock is under close control, and holders are very firm, quoting 4.75 to 4.80c. for prime domestic, delivered here.

ANTIMONY—The market for regulus remains firm at 9 to 9½c., but only small sales are being made.

TINPLATE—Orders are only fair at the moment, but several manufacturers are well sold up on their near future production. That fact, and a stiffer market for material, tends to harden values.

IRON AND STEEL—Business is of ordinary character in all departments here, and the bulk of it is at virtually the same prices that prevailed a week ago.—N.Y. Journal of Commerce.

TINPLATES IN WALES.

The shipments of tinplates this week have made up the loss upon the average of last week. It is stated that in consequence of the extra price of steel bars and coal, a large number of mills have been obliged to cease working, as the selling price of plates is totally inadequate to the extra cost incurred in the manufacture of them.—Industrial World, Swansea, Aug. 26.

CATALOGUES, BOOKLETS, ETC.

SPORTING GOODS CATALOGUE.

To the dealer who desires to keep posted on the various improvements and innovations in sporting goods, the September, 1898, catalogue issued by T. McAvity & Sons, St. John, N.B., will be doubly welcome, for, besides giving a list of many of the most modern guns, rifles, revolvers, and the ammunition, implements and accessories necessary to good sport, it gives full informa-

tion concerning the place to get them advantageously and their list value.

POWDER FOLDERS.

Smokeless powders are steadily taking their place with military and sporting men as a powder equal in general respects to the ordinary powders, yet possessing advantages that do not belong to the latter powder. The objection raised against some smokeless powders, that each shot is accompanied by a jar which makes shooting unpleasant, is a serious objection. This has, however, been overcome by "Rifleite", a powder that has made a name for itself for accurate and easy shooting, high velocity, and freedom from smoke and fouling. "Rifleite" is manufactured by The Smokeless Powder Co., Limited, 28 Gresham street, London, E.C. This house is distributing folders giving information concerning this powder which should be seen by all progressive hardware dealers.

TRADE CHAT.

THE Victoria Foundry Co., Ottawa, is constructing six match-making machines for Meritt Bros. & Co., St. John, N.B. This is the second lot of these machines that this firm has turned out. The first were for a company in Newfoundland.

It is reported that an Anglo-American combine has been formed to control the output and sale of sewing machine, knitting and all other kinds of needles. The capital of the new organization is placed at \$7,500,000.

C. P. Blanchard, Bible Hill, N.S.; E. E. Crowe, Clifton, N.S.; R. J. Turner, president of the Truro Board of Trade, and F. McG. Turner, have purchased, from The Anchor Wire Fence Co. of Canada, the right to manufacture and sell goods in the Maritime Provinces.

The entire plant of the Niagara engineering works was destroyed by fire at an early hour on Monday. The loss will reach \$250,000; nearly covered by insurance. The foundry in connection with the plant is destroyed. The origin of the fire is not known.

S. H. Black, Orillia, Ont., has invented a metal ladder for gaining access to roofs. It is made of wire cable, with iron rungs, and is lighter, stronger, and cheaper than the all-iron kind. There are also supports to raise the rungs from the roof, which make it easy to grasp and step against them. He will be ready to place his invention on the market in a few days, and will erect the first one at his own store.

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THE MCKINNON BUILDING
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Pumps, Casing, Tubing
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18 Wellington Street East, TORONTO.
Collects accounts anywhere. Fees for current accounts 10 per cent. of amount collected. No fee less than \$1. Prompt returns. Report to you monthly. References given. Try us.

SNAP IN PATENTS.

I will sell outright or sell an interest in the manufacture of several useful inventions in the sheet metal line. The articles show a good profit and are saleable everywhere. This is a snap. Manufacturers make a note and write

O. A. SMITH,
Clarkston, Mich., U.S.A.

The Portland Rolling Mills Co., Limited

Manufacturers of

Refined Bar Iron
Railway Spikes
Pressed Spikes
Nails and Tacks
"Diamond" Brand Horse Shoes

ST. JOHN, N.B.



"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not.
Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

The Forest King

Is the Highest Grade Axe on the Canadian market.
Lumbermen prefer it to all others.

Where quality counts, no tools can compete with ours.
Specify "Warnock's."

James Warnock & Co., Galt.

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Manufacturers of
Stove Trimmings, Piano and Organ Trimmings
Piano Stool Feet, Novelties, etc. Bicycle Work
a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.

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Quotations gladly given.

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Sole Agents for the Dominion for



HALIFAX, N. S., and 747 CRAIG STREET, MONTREAL.

STEVENS IDEAL, NO. 44.



This is as reliable and accurate a rifle as can be constructed. Placed at a moderate price to meet the demand for such a rifle. It is recommended without qualification and fully guaranteed.

anted. Made in the following styles:

.22 Long-Rifle R. F., 25 Stevens R. F., and .32 Long R. F. Standard length of barrel for rim-fire cartridges, 24 inches. Weight 7½ pounds.

.25-20 Stevens C. F., .32-40 C. F., .38-55 C. F., and .44-40 (.44 W. C. F.) Standard length of barrel for center-fire cartridges, 26 inches. Weight, 7¾ pounds.

Half-octagon barrel, oiled walnut stock and fore-arm, rifle butt, case-hardened receiver, sporting rear and Rocky Mountain front sight.

Price, with standard length of barrel, \$13.00.

Can be obtained of any of the leading jobbers in Canada at liberal discount from this price.

Send for complete catalogue of our full line of Rifles, Pistols and Machinists' Tools.

J. Stevens Arms & Tool Co., P. O. Box 217, Chicopee Falls, Mass., U.S.A.

HEATING AND PLUMBING

HALIFAX PLUMBERS' PICNIC.

THE master plumbers of Halifax, accompanied by guests, held their first picnic on 2nd inst. The outing took place at Heffler's grounds, Bedford Basin, and the steamer Pastime took out the party. It was the first picnic of the plumbers, but was so pleasant that it will not be the last. It was a day of delight, and there was nothing lacking in the enjoyment. The time sped all too quickly, with bountifully laden tables, and a variety of sports to suit all degrees of athletic skill or endurance. The winners of the various events were as follows:

100-yard dash (open).—Prize, brass lamp—W. J. Adams.

Quarter-mile run (for members).—Prize, pipe in case and magnificent wood cut—W. Healey.

Putting shot (open).—Prize, meerschaum cigar holder—George Perrier.

Putting shot (members).—Prize, beautiful cup and photo of the Queen—W. S. Creig.

100-yard dash (married members).—Prize, carving knife—W. S. Creig.

50-yard dash (members over 25 years at the trade).—Prize, silver cup and photo of the Queen—George Perrier.

Running long jump (open).—Prize, handsome penknife—A. J. Greenway, of Detroit.

Hop, step and jump (members).—Prize, gold soldering iron—W. Healey.

Flat race (members).—Prizes, steel mounted horse collar and photo—W. S. Creig and brother.

Swimming race (open).—Prize, box of cigars—J. B. Burns.

100-yard dash (officers).—Prize, Stilon wrench—Mr. Day.

In the tug-of-war, the married men defeated the younger members, and in a flat race, Mr. Healey defeated W. S. Creig.

The dinner was followed by a number of toasts proposed by President Perrier and others, which were heartily responded to. Mr. Perrier read the results of the athletic contests and Geoffrey Morrow presented the prizes.

MONTREAL BUILDING PERMITS.

Building permits have been issued from the city hall lately to the following: J. Gardner, a dwelling on Stanley street, to cost \$10,000; S. Marchand, a dwelling on St. Lawrence street, to cost \$4,000; Miss E. Watson, factory, St. Antoine street, to cost \$9,000; W. S. Scudder, a dwelling on Duluth avenue, to cost \$1,500; L. Riopelle, dwelling houses in connection with the Hotel de Ville, to cost \$3,000; Montreal Street Railway, car sheds on Notre Dame street, to cost \$37,000; Canada Sugar Refining Co., sheds on St. Patrick street, to cost \$1,500; W. Melack, two dwellings on St. Lawrence

street, to cost \$4,000; M. Stewart, two dwellings on Lagauchetiere street, to cost \$4,000; Mrs. W. Allen, three stores and dwellings on Victoria street, to cost \$3,000.

A PLUMBER FROM VANCOUVER.

MR. J. G. MORTIMER, plumber, steamfitter, etc., Vancouver, is at present in Toronto, on a fortnight's visit among old acquaintances. Mr. Mortimer was a master plumber in Toronto more than twenty years ago, and, though time has wrought many changes, quite a number of his old friends are still in business in that city. He is a member of the new association formed at Vancouver, and reports trade in that city to have been good all summer, and that the prospects for the fall and winter are bright.

Vancouver is steadily growing, and, though Canadians were slow to waken up to the possibilities of the Yukon trade, there is now, and the Coast people expect there will continue to be, for ten years at least, a permanent trade with the country. The Province is developing in every respect, and Mr. Mortimer is confident that Vancouver is destined to be the business centre of a large and rich district.

Then, to make matters better for the plumber, the waterworks system of the city is most complete, being supplied by gravitation from an adjacent mountain. Every residence, be it mansion or cottage, must have plumbing conveniences, and, in most instances, a good class of work is demanded.

Mr. Mortimer intends leaving for home on Monday next, and will stop off a few days at Winnipeg.

The assets of The Wright-Cowper Co., bicycle supply dealers, Montreal, are placed at \$3,000.

PLUMBING AND HEATING CONTRACTS.

The firm of Sachs & Laird, plumbers, Berlin, Ont., have dissolved partnership, and the business will be carried on in future under the style of The Sacks Plumbing and Heating Co.

The firm of Denman & Ogilvie, plumbers, Montreal, have dissolved partnership, and the business will be carried on in future by Mr. Denman. Mr. Ogilvie moves into other premises and opens out business on his own account.

Blouin, Desforges & Latourelle, Montreal, have the heating and plumbing of a dwelling belonging to W. W. Reeves, of Pointe-aux-Trembles; also the heating, plumbing, and roofing of sixteen tenements, built in connection with the Hotel Dieu, and a new roof over the female gaol.

The Bennett & Wright Plumbing and Heating Co., Limited, of Toronto, have contracts for the plumbing, heating and gas wiring in the House of Industry, Toronto; for the plumbing and heating of a residence in Parkdale for Howard Chantler, and for the heating and plumbing of a very large residence at Niagara-on-the-Lake, Ont., for W. S. Lansing.

BUILDING PERMITS IN TORONTO.

Building permits have been issued, in Toronto, to Mrs. Bessie Forsyth, for a two-storey residence on Jersey avenue, to cost \$600, and to A. W. Parter & Bros., for a one-storey addition to the Standard Bank, at the corner of Elm Grove and Queen street west, to cost \$1,000.

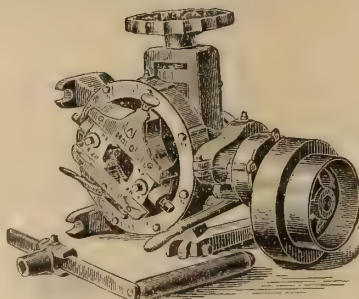
The value of the building permits issued in Toronto, during August this year, was \$247,685, as compared with \$75,180 in August, 1897, and \$13,940 in August, 1896. The only August which shows a higher total, during the present decade, was August, 1891, when \$273,400 were issued.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.



No. 0 Threading Machine, with power attachment.

THE ARMSTRONG MFG. CO.

New York Office:
139 Centre Street

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HALIFAX PLUMBING REGULATIONS.

THE new amendment to regulations concerning plumbers, architects, etc., in Halifax, were assented to by the Nova Scotia Governor-in-Council a few weeks ago.

Rule 3, of these regulations, is amended by adding the following: "In buildings of not more than four storeys, 5 inch iron pipe weighing 12 lb. per foot, and 6 inch iron pipe weighing 15 lb. per foot, may be used above the cellar floor."

Rule 39 is amended by substituting "board of plumbing examiners" for "city engineer."

To Rule 41 is added a paragraph stating that all licenses shall expire on December 31 of each year, and may be renewed on recommendation of the board of plumbing examiners on payment of \$1.

Rule 42 is amended so that any member of a firm possessing the necessary qualifications, upon passing the examination, may receive a license for the firm. The bond given must be jointly executed by all members of said firm.

Rule 50 is amended by the insertion of a clause that every person desiring to work as a journeyman plumber in Halifax must pass the examination set by the board of

plumbing examiners, and, upon the registration of his name in the office of the city engineer, he shall receive a certificate of competency to do work as a journeyman plumber. This certificate may also be granted to any master or journeyman plumber who shall furnish satisfactory evidence that he has practised as such in Halifax for four years previous to the passing of the new rules and regulations.

PLUMBING AT VANCOUVER.

A deputation representing the Master Plumbers' Association, waited upon the finance committee yesterday afternoon, when a number of matters relating to the by-law were discussed.

It appears that the plumbers of the city are united and are not at loggerheads, but what they want is an examination so that certified men only may be employed on work. All the master plumbers doing business belong to the association but one, and they are quite willing to pay a license if it were made nominal. The clause in the by-law enacting a license of \$25 has been defeated in the courts and it is not paid by any of them. At the meeting yesterday the finance committee decided that an examination be held and that the by-law be amended

so that the city engineer and health inspector constitute the examining board.—The Province, Aug. 29.

HEATING AND PLUMBING NOTES.

The stock of Harris & Hatfield, plumbers, Annapolis, N.S., has been sold by auction.

The Garbage and Sewage Treatment and Carbonizing Co., Montreal, has made application for incorporation.

Vancouver is to have two new theatres, one a large building on Pender and Howe streets, to cost about \$25,000, and the other a variety theatre to be built at the rear of the Palace hotel, and to front Hastings street.

DEARER COPPER AND BRASS.

Ironmongers and other hardwaremen would do well to overhaul their stocks of brassfoundry goods just now. A glance at the metal market shows that copper is stiffening again, and we hear that brassfounders are beginning to talk about the necessity for increased prices if the advance in the raw material should become marked. At present there has been no change in the price of finished goods, either cast or stamped, but there is no knowing what course the market may take in the next couple of weeks. Where the shelves are low in brassfoundry stock, ironmongers cannot do wrong in replenishing with little delay.—Hardwareman.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

KNOX HENRY.

Heavy Hardware and Metal Broker

Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—Bar Iron, Steel, Railway Spikes, Pressed Spikes, Cut Nails, Wire Nails, Tacks, Horse Shoes—(Diamond Brand), Horse Nails—"C", Pig Tin, Pig Lead, Babbit Metal, Solder, etc. Correspondence solicited.

T. L. Paton.

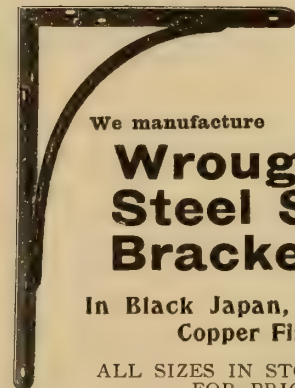
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Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
Wholesale trade only.

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VALVES

Look for
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Mark on
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FIRST
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Workmanship and
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THE JAS. MORRISON BRASS MFG. CO.
TORONTO Limited



We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and Copper Finish.

ALL SIZES IN STOCK. SEND FOR PRICES.

H. R. IVES & CO., Montreal.

HEADQUARTERS for

Syracuse Babbit Metal, Plumbers' and Tin-smiths' Solder, Pig Tin, Pig Lead, Ingot Copper, Ingot Brass, Phosphor Tin and Aluminum.

SYRACUSE SMELTING WORKS

Factory: 332 William Street
MONTREAL

All kinds Scrap Metal taken in exchange.

Factory: SYRACUSE, N.Y.

BUSINESS CHANGES.**DIFFICULTIES, ASSIGNMENTS, COMPROMISES.**

A. T. SUSSEX, general merchant, Bothwell Ont., has assigned to T. B. Escott, London, and a meeting of creditors will be held on the 12th inst.

Pierre Roy, general merchant, St. Loie, Que., has assigned.

J. A. Pelletier, general merchant, Riviere Ouelle, Que., has assigned.

Clarence Woodman, painter, Digby, N.S., is offering 10c. on the dollar.

Norman McLeod, general merchant, Charles Cove, N.S., has assigned.

Sibbald & Co., general merchants, Winnipeg, have assigned to S. A. D. Bertrand.

Harvey D. McEwan, general merchant, Morrell, P.E.I., is offering 75c. on the dollar.

Peter Bertram, hardware dealer, Hamilton, Ont., has assigned to R. T. Wilson, Dundas.

The Wright, Cowper Co., dealers in bicycles and sporting goods, Montreal, have filed consent of assignment, and a meeting of their creditors will be held on the 13th inst.

PARTNERSHIPS FORMED AND DISSOLVED.

Leonard & Morin, lumber dealers, Garthby, Que., have dissolved.

T. A. Johnston & Son, blacksmiths, Cowansville, Que., have dissolved.

McPherson & McMullen, general merchants, Old Bridgeport, N.S., have dissolved.

Lendon & McDonald, hardware dealers, Florence, Ont., have dissolved, H. Lendon continuing.

J. J. Moore, general merchant, Rapid City, Man., has admitted Henry McGregor into partnership.

The Toronto Cycle Co., bicycle manufacturers, Toronto, have dissolved, A. P. Jones continuing.

J. & A. Bergeron, general merchants, Iberville, Que., have dissolved, Joseph Bergeron continuing.

McAlpine & Hurley, hardware and grocery dealers, Wardner, B.C., have dissolved, G. A. McAlpine continuing.

SALES MADE AND PENDING.

The plant, etc., of the Bowmanville, Ont., Rubber Co., Limited, has been sold.

J. S. R. Page, general merchant, and butter manufacturer, St. Isidore (La Prairie Co.), Que., has sold out his general merchandise business.

CHANGES.

C. A. Phillips, general merchant, Croton, Ont., has been succeeded by James Clark.

C. E. Bush, general merchant, Crystal City, Man., is removing to Swan Lake, Man.

Emelie H. Periard, wife of Martin H.

Boucher, has registered as proprietress of M. H. Boucher, hardware dealer, Montreal.

A. McDonald, general merchant, Oakbury, Man., is moving to Shoal Lake, Man.

The Hudson's Bay Co. is opening up a branch general store in Yorkton, N.W.T.

D. M. Sutherland, harness dealer, Thorndale, Ont., has sold out to Gibson & Harding.

Andrew Holiday, general merchant, Boissevain, Man., is reported to be retiring from business.

Charles Fyfe has registered as proprietor of the St. Lawrence Fireproof Construction Co., Montreal.

Annie Barry, wife of Zephir E. Martin, has registered as proprietress of Z. E. Martin, painter, Montreal.

The Ronald Fire Engine Works (E. H. Thomas, prop.), Brussels, Ont., have been sold to John D. Ronald.

Dame Marie Telmosse, wife of Eric Bissonnette, has registered as proprietress of Eric Bissonnette & Cie, saddlers, Montreal.

DEATHS.

Lewis P. Churchill, of L. P. Churchill & Co., wholesale and retail general merchants, Lockport, N.S., is dead.

LARGE SHIPMENTS OF GOLD ORE.

The Rossland mines have already, this year, shipped nearly 58,000 tons of ore to the smelters. Le Roi comes first, War Eagle second, Centre Star third, and Iron Mask fourth. Following is a table showing, to within a few tons, the ore shipped from each of the mines named, from January 1 to September 3, 1898:

Le Roi.....	28,000
War Eagle.....	24,200
Centre Star.....	2,657
Poorman.....	453
Iron Mask.....	2,300
Cliff.....	140
Velvet.....	350
Monte Cristo.....	416
Sunset No. 2.....	30
Deer Park.....	6
Giant.....	83

The total shipments from the camp, since January 1, 1897, have been over 130,000 tons.

TWO GOOD CONTRACTS.

The handsome metallic ceiling recently placed in the Princess Theatre, Toronto, by The Metallic Roofing Co., Limited, is much admired. Yet another contract being filled by this company, is the covering of the elevator at Oshawa, with "Owl" brand corrugated iron and "Eastlake" galvanized shingles. The reliable fireproof building materials made by this firm are used in every part of Canada.

HARDWARE NOTIONS.

It would be well for hardware dealers to take a walk sometimes through dry goods stores and observe some of their methods in arranging and displaying goods, remarks Stoves and Hardware Reporter. Much profit might be obtained from such visits, particularly when the management of their notion department is considered. There are odd lots and the last of certain lines of goods in hardware which could be very appropriately termed notions, and disposed of in a more advantageous manner, if effectively displayed on a counter located in a conspicuous position. It often happens that these articles are left hidden in boxes or compartments where no one sees them, and their existence is almost forgotten. Such articles may be very useful, but people may not always remember what they need or want till they catch sight of the things in the store where they are arranged on a counter with price-ticket attached. It would also be a good plan to dispose of certain classes of merchandise systematically in this manner, without waiting until the stock is low. In the centre of the principal aisle is a good place to locate a counter displaying small tools. Peoples' attention will then be attracted toward it upon first entering and leaving the store.

EXTENDING HIS BUSINESS.

Business is looking prosperous with John Rogers, hardware merchant, Attwood. Besides his hardware business he is going into furniture dealing, and with this end in view he is making extensive improvements in his store, extending it 30 feet.

Preparatory to taking hold of his increased responsibility he recently took a holiday trip down the St. Lawrence to Montreal and Quebec.

SCARCITY OF STAG HORN.

Cutlery manufacturers in Sheffield are at the present time finding the utmost difficulty in obtaining a sufficient supply of best stag horn for handles. The explanation appears to be that during the last few weeks the Americans have been buying up almost all the available stock, leaving the local market practically denuded, and until the next sales there will be considerable scarcity of this material.—Hardwareman.

The E. B. Eddy Co., Limited, have just received a new paper machine which was so large that eighteen cars were needed for transportation. It was built by Black & Causson, Hamilton, Ohio, and is the largest machine this firm has ever turned out. It will be placed in the new paper mill No. 5, and will occupy the entire length of this building.

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

— MONTREAL, QUE.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
 Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
 Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent.
 Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.

Canadian, common, 7½ per cent.
 Brass Shot Shells, 55 and 10 per cent.
 Primers, Dom., 30 per cent.

Wads. per lb
 Best thick white felt wadding, in ½-lb bags. 1 00
 Best thick brown or grey felt wads, in ½ lb. bags. 0 70
 Best thick white card wads, in boxes of 500 each, 12 and smaller gauges. 0 99
 Best thick white card wads, in boxes of 500 each, 10 gauge. 0 35
 Best thick white card wads, in boxes of 500 each, 8 gauge. 0 55
 Thin card wads, in boxes of 1,000 each, 12 and smaller gauges. 0 20
 Thin card wads, in boxes of 1,000 each, 10 gauge. 0 25
 Thin card wads in boxes of 1,000 each 8 gauge. 0 55
 Chemically prepared black edge grey cloth wads, in boxes of 250 each—
 11 and smaller gauge. 0 80
 9 and 10 gauges. 0 70
 7 and 8 gauges. 0 90
 5 and 6 gauges. 1 10
 Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
 11 and smaller gauge. 1 15
 9 and 10 gauges. 1 40
 7 and 8 gauges. 1 65
 5 and 6 gauges. 1 90

Per lb. 0 10 0 12½
 Anvil and Vice combined, each. 4 50
 Wilkinson & Co.'s Vices. lb. 09 09½
 Wilkinson & Co.'s Vices. lb. 09¾ 0 10

Augers.
 Gilmour's, discount 65 p.c. off revised list. 13 00 20 00
 Hollow Stearn's, per dozen. 4 50 6 50
 Adjustable Stearn's, each. 60 90
 Post-hole, Vaughan's, each. 60 90
 Excelsior, Jennings', discount 50 per cent.

Awls.
 Sewing, per gross. 0 65 1 59
 Pegging. 0 65 1 25
 Brad. 0 85 1 60
 " handled, per gross. 3 60 30
 Saddler's, per gross. 0 45 1 60

Awl Hafts.
 Patent Peg, per gross. 7 25 8 00
 " Sewing, per gross. 7 25 8 00

Awl and Tool Sets.
 Millar's Falls, per doz. 2 80 3 30

AXES.
 Splitting Axes. 5 25 5 50
 Chopping Axes—
 Single List, per doz. 6 00 12 00
 Double List, " 11 00 18 00
 Bench Axes, 40 and 10 p.c.

Axle Grease.
 Per gross. 6 00 13 00

Bath Tubs.
 Zinc, discount. 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list. 0 09½ 0 10

Anti-Friction Metal.
 "Tandem" A. per lb. 0 19
 " B. " 0 16
 " C. " 0 10½
 Magnolia Anti-Friction Metal, per lb. 0 25
 No Name Metal. " 0 15
 Mystic Metal. " 0 10
 F. O. B. New York or Chicago.

Bells.
 Hand.
 Brass, 60 per cent.
 Nickel, 55 per cent.

Door.
 Gongs Sargent's. 5 50 8 00
 " Peterboro', discount 50 per cent.

Cow.
 American make, discount 66½ per cent.
 Canadian, discount 45 and 50 per cent.

Farm.
 American, each. 1 25 3 00
 House. 0 35 0 40
 American, per

Bellows.
 Hand, per doz. 3 35 4 75
 Moulders, per doz. 7 50 10 00
 Blacksmiths', discount 60 per cent.

Belting.
 Extra, 45 per cent.
 Standard, 45 and 10 per cent.
 Agricultural, 60 and 10 p.c.

Bench Staps.
 Per doz. 5 00 6 00

Bits.
 Auger.
 Gilmour's, discount 65 and 5 per cent.
 Excelsior, discount 60 per cent.
 Rockford Common, 70 to 70 and 10 per cent.
 " Perfection, 50 and 10 per cent.

Car.
 Jennings' Gen., net list to 5 p.c. discount.
 Gilmour's, 47½ to 50 per cent.
 Expansive.

Clark's 40 per cent.
 Excelsior, 10 per cent.

Gimlet.
 Clark's, per doz. 0 65 0 90
 Diamond, Shell, per doz. 1 00 1 50
 Nail and Spike per gross. 2 25 5 20

Blind Rollers.
 Annex, per doz. 1 25 1 75
 Mascott, " 1 35 1 85
 Erminie, " 1 00 0 80

Blind and Bed Staples.
 All sizes, per lb. 7¼ 0 12

Bolts.
 Carriage, dis. 60 and 10 to 70 p.c.
 Tire, dis., 70 and 5 per cent.
 Stove dis., 70 per cent.
 Elevator, dis., 35 to 40 per cent
 Machine, dis., 70 p.c.
 Coach Screws, dis. 70 and 10 p.c.
 Plough bolts, 60 p.c

Boring Machines.
 Complete, with augers, each. 5 00 7 50

Braces.
 Barber's. 6 00 7 75
 Barber's Ratchet. 10 00 11 00
 Farmers. 2 00 2 75
 Millar's Falls. 15 50 29 00

Brackets.
 Shelf.
 Japanned Canadian, per doz. 0 50 3 40
 pairs. 0 85 3 20
 Berlin Bronze Canadian. 0 85 3 20

Broilers.
 Light, dis. 65 to 67½ per cent.
 Reversible, dis., 65 to 67½ per cent.
 Vegetable, per doz., dis. 37½ per cent.
 Henis, No. 8, " 6 00
 Henis, No. 9, " 7 00
 Queen City. 7 50 0 00

Butchers' Cleavers.
 German, per doz. 6 00 11 00
 American, per doz. 12 00 20 00

Butts.
 Brass.
 Wrought Brass, dis., 17½ p.c. revised list.

Cast Iron.
 Loose Pin, dis. 70 per cent.

Wrought Steel.
 Fast Joint, dis. 70, 10 and 5 to 75 p.c.
 Loose Pins, dis. 70, 10 and 5 to 75 p.c.
 Berlin Bronzed, dis. 70, 70 and 5 per cent.
 Gen. Bronzed, per pair. 0 40 0 65

Can Openers.
 Acme, per gross. 9 00 10 00
 Sardine Scissors, per doz. 3 75 4 50

Card.
 Horse, per doz. 0 60 1 00

Carpet Stretchers.
 American, per doz. 1 00 1 50
 Bullards, per doz. 6 50

Carpet Sweepers.
 Bissell, per doz. 22 50
 World, " 21 75
 Daisy, " 24 00
 Star. 18 00
 Crown Jewel, per doz. 29 00
 Grand Rapids, " 24 00 33 00

Cartridges.
 (See Ammunition.)

Castors.
 Bed new list, dis. 55 to 57½ per cent.
 Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
 Nos 31 and 32, per gross. 8 50 9 50

Cement.
 Canadian, Portland. 2 50
 English. 2 85
 Belgium. 2 75
 Canadian hydraulic. 1 20

Figures are for barrel lots.
Chalk.
 Carpenters Colored, per gross. 0 45 0 75
 White lump, per cwt. 0 60 0 65
 Red. 0 05 0 06
 Crayon, per gross. 0 14 0 18

Chisels.
 Socket, Framing and Firmer.

American, dis. 75 per cent.
 Canadian, dis. 40 and 5 per cent.
 Tanged firmer, per doz. 0 85 4 00

Churns.
 Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.

Clamps.
 Judd's, dis. 20 per cent.
 Stearn's, per doz. 3 00 10 00

Clips.
 Axle dis. 65 per cent.

Closets.
 Washout, plain. 3 25
 " embossed. 3 50

Coffee Mills.
 Box. 3 60 13 00
 Side. 3 60 4 00
 Enterprise, No. 0. 1 35
 " No. 2. 70

Compasses, Dividers, Etc.
 American, dis. 62½ to 65 per cent

Cradles, Grain.
 Canadian, dis. 20 per cent.

Dies.
 Hart Mfg. Co. (pipe es), (Amer. list), dis. 40 per cent.
 Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
 Torrey's Rod, per doz. (15 p.c.) 2 00
 Coil, per doz. 0 88 1 60
 English per doz. 2 00 4 00

Draw Knives.
 American, dis. 70 and 10 per cent.
 Canadian, dis. 25, 50 and 10 per cent.

Drills.
 Hand and Breast
 Millar Falls, per doz. 16 00 51 50
 P. S. & W., dis. 40 per cent.

DRILL BIT.
 orse, dis. 37½ to 40 per cent.
 Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
 Stovepipe. 85 1 70

FAWCETS.
 Cork Lined, per doz. 0 30 0 35
 Wine, per doz. 1 30 3 25
 Star. 2 80 3 90
 Fenn's Corkstaps, No. 2, per dozen. 1 70
 Petroleum, per doz. 4 50 6 50

FILES AND RASPS.
 Globe File Mfg. Co.'s dis., files and rasps, 30 and 10 to 70 per cent.
 Toronto File Co.'s dis., files and rasps, 60 and 10 to 70 per cent.

Black Diamond, 50 and 10 to 60 per cent.
 Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
 Nicholson File Co., 50 and 10 to 60 per cent.

Heller's Horse Rasps, 50 to 50 and 5 per cent.
 Jowitt's, English list, 25 to 27½ per cent.
 American, 60 to 60 and 5 per cent.
 Great Western, 60 and 10 per cent.
 Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.

FLUTING MACHINES.
 Each. 0 60 2 00

FORKS.
 Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS
 Ice Cream.
 Gem from \$1.25 to \$7 net.
 White Mountain, 1 to 25 qt. 1 35 13 50
 Arctic, dis. 50 p.c.

FRUIT PRESSES.
 Henis', per doz. 3 25 3 50
 Shepard's Queen City, dis. 15 per cent.

FRY PANS.
 Acme, dis. 65 to 67½ per cent.

GAUGES.
 Marking, Mortise, Etc.
 Stanley's, dis. 50 to 55 per cent.

Wire Gauges.
 Winn's, Nos. 26 to 33, each. 1 65 2 40

GLASS.
 Window.
 Box Price.

Size Per Double Diamond.
 United In. 50 ft. 100 ft. 100 ft.

Under 25. 1 60 3 00 4 50
 26 to 40. 1 75 3 30 4 85
 41 to 50. 3 70 5 50
 51 to 60. 4 00 6 25
 61 to 70. 4 30 7 30
 71 to 80. 4 70 7 85
 81 to 85. 5 25 8 85
 86 to 93. 10 30
 91 to 95. 11 70
 96 to 100. 13 75
 101 to 105. 15 70
 106 to 110.

GLUE POTS.
 Tinned, each. 0 30
 Enamelled each. 0 55

GRINDSTONE FIXTURES
 Per doz. 3 60 4 00

HALTERS.
 Rope, ½ per gross. 8 25 8 50
 " ¾ " 9 25 9 50
 " 1 " 11 00 11 25
 Leather, 1 in. per doz. 3 87½ 4 00
 " 1½ in. " 5 15 5 25
 Web, — per doz. 1 87 2 40

HAMMERS.
 Nail
 Maydole's, dis. 5 to 10 per cent. Can., dis. 25 to 27½ per cent.

Tack.
 Magnetic per doz. 1 10 1 20

Sledge.
 Canadian, per lb. 0 07½ 0 08½

Ball Pean.
 English and Can., per lb. 0 22 0 25

HANDLES.
 Axe, per doz., net. 1 50 2 60
 Store door, per doz. 1 00 1 50
 Chest, per doz. pairs. 0 40 2 50

Chisel.
 Firmer, per gross. 3 00 4 50
 Socket Firmer, per gross. 3 25 8 00
 Socket Framing, per gross. 3 75 5 00

Fork.
 C. & B., dis. 45 per cent. rev. list.

Hoe.
 C. & B., dis. 45 per cent. rev. list

Saw.
 American, per doz. 1 00 1 25

Plane.
 American, per gross. 3 15 3 75

Hammer and Hatchet.
 Canadian, 45 per cent.

Cross-Cut Saw.
 Canadian, per pair. 0 13½ 0

HANGERS.
 Door, 4 and 5 inch, per pair. 0 40 0 50
 Lanes, 62½ per cent.

HATCHETS.
 Canadian, dis. 40 to 42½ per cent

HINGES.
 Blind, Parker's, dis. 60 and 10 to 65 per cent
 " Shepard's Noiseless, dis. 60 per cent.
 " Buffalo, dis. 60 to 70 p.c.
 Light T and strap, 70 and 10 p.c.
 Heavy, per lb. 0 03¾ 0 04¼

Screw hook and hinge. 3 15
 6 to 12 in., per 100 lbs. 2 35
 14 in. up, per 100 lbs. Per doz. set. 1 13 1 80
 Screw Eureka. 1 50 2 20
 Gate, Clark's. " Shepard's, dis. 50 to 60 per cent.

Per gro. pair
 Spring. 9 50
 " Shepard's Samson. 1 20

HOES.
 Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
 Planter, per doz. 4 00 4

HOOKS.
 Cast Iron.
 Bird Cage, per doz. 0 50 1 10
 Clothes Line, per doz. 0 27 0 63
 Harness, per doz. 0 72 0 88
 Hat and Coat, per gross. 1 00 3 00
 Chandelier, per doz. 0 50 1 00

Wrought Iron.
 Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
 Hat and coat, dis. 60 to 60 and 10 p.c.
 Belt, per 1,000. 0 60 0 70
 Screw, bright, dis. 65 and 10 per cent

HORSE NAILS
 "P. B.", dis. 50 p.c. }
 "C" brand, 50 p.c. dis. } Oval head.
 "M" brand 50 p.c. }
 Acadian, 50 and 20 p.c., countersunk head.

HORSE SHOES.
 Iron Shoes. F.O.B. Montreal F.O.B. Toronto*
 Light, medium, and heavy. 3 15 3 25
 Snow shoes. 3 40 3 50
 Steel Shoes.

Light, all sizes. 3 35 3 45
 Extra light. 4 50 4 60
 Toe weight (steel). 5 50 5 60
 *Also Hamilton, London, Guelph, St. John Halifax.

ICE PICKS.
 Star, per doz. 3 00 3 25

KETTLES.
 Brass spun, 7½ p.c. dis. off new list.
 Copper, per lb. 0 30 35
 American, 60 and 10 to 65 and 5 p.c.

KEYS.
 Lock, Can., dis. 50 p.c.
 Cabinet, trunk, and padlock, Am. per gross. 1 60

KNOBS.
 Door, japanned and N.P., per doz. 0 90
 Bronze, Berlin, per doz. 2 75 3 25
 Bronze Genuine, " 6 00 9 00
 Shutter, porcelain, F. & L. screw per gross. 1 30 4 00

KNIVES.
 Claws, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.
 Christie, bread, cake, and paring knives, \$7.00 doz. sets, with 10 p.c. off.
 Hay knives, spear point, L or T handle, 60 10 and 5 per cent.
 Lightning, per doz. 6 50 8 40
 Heath's, \$7.75 net.

LADLES.
 Melting, per doz. 1 70 4 50

LEMON SQUEEZERS.
 Porcelain lined, per doz. 2 20 5 60
 Galvanized, " 1 87 3 85
 King, wood, " 2 75 2 90

King, glass,	4 00	4 50
All glass	1 20	1 30
LINES.		
Fish, per gross	1 05	2 50
Chalk, "	1 90	7 40
LOCKS.		
Canadian, dis. 50 p.c.		
Russell & Erwin, per doz....	1 75	7 50
Cabinet,		
Eagle, dis. 30 p.c.		
Padlock,		
English and Am., per doz....	50	6 00
Scandinavian,	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.		
Iron and Brass,		
Flat head, discount 25 p.c.		
Round Head, discount 20 p.c.		
MALETS.		
Tinsmiths', per doz.	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each	1 60	2 00

MATTOCKS.		
Canadian, per doz.	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.		
American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.		
American, per doz.	0 42	2 35

MOLASSES GATES.		
Stebbin's Patent, dis. per cent., 77½ per cent		

NAILS		
Quotations are:	Cut.	Wire.
2d. and 3d.	\$2 75	\$2 87
3d.	2 40	2 45
4 and 5d.	2 15	2 27
6 and 7d.	2 05	2 19
8 and 9d.	1 90	1 95
10 and 12d.	1 85	1 99
16 and 20d.	1 80	1 85
30, 40, 50 and 60d. (base). ..	1 75	1 80
Steel Cut Nails 10c. extra.		
Brads and finishing nails, special sizes, 80 p.c. from new list.		

NAIL PULLERS.		
German and American,	1 85	3 50
NAIL SETS.		
Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.		
Poultry, 67½ per cent. for imported, 55 per cent. for McMullen's.		

OIL.		
Canada refined oil (Toronto),	0 14	
Carbon safety	0 16½	
American w. w. "	0 17½	
Pratt's Astral,	0 17	
OILERS.		
McClary's Model galvan. oil can, with pump, 5 gal., per doz.	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.	1 25	3 50
Brass,	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.		
Galvanized, per doz.	1 85	3 00
PENCILS.		
Dixon's, per gross	1 00	4 25
Carpenter	2 25	3 60

PICKS.		
Per doz.	6 00	9 00
PICTURE NAILS.		
Porcelain head, per gross....	1 40	3 00
Brass head,	0 40	1 00

PIPE CUTTING MACHINERY		
Forbes Patent Die Stocks.—Curtis & Curtis, Mfrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to 2 in. R. & L.	\$ 50 00	
No. 38 Hand Machine, range 1½ to 4.	100 00	
No. 56 Hand Machine, range 2½ to 6.	175 00	

PLANES.		
Wood, bench, Canadian dis. 55 per cent. American dis. 55.		
Wood, fancy Canadian or American, 37½ to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c. Miscellaneous, dis. 25 to 37½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.		
English, per doz.	2 00	5 00
PLIERS AND NIPPERS.		
Button's Genuine, per doz pairs, dis. 37½ to 40 p.c.		
Button's Imitation, per doz.	5 00	9 00
German, per doz.	0 60	2 60

PLUMBS AND LEVELS.		
S. R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		
POPPERS.		
Corn, square, per doz.	1 35	2 00

PRUNING SHEARS.		
Per doz.	4 00	5 50

PULLEYS.		
Hothouse, per doz.	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS.		
Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.		
Saddlers', per doz.	1 00	1 85
Conductors, "	9 00	15 00
Tinners' solid, per set.	0 00	0 72
" hollow, per inch.	0 00	1 00

RAIL.		
Barn door, per foot.	0 02¼	0 02½
Sliding door, "	0 03¼	0 03½
Lanes,	0 02¼	

RAKES.		
Cast steel and malleable Canadian, list dis. 60 to 60, 10 and 5 p.c. revised list.		
Wood, 25 per cent.		

RAZORS.		
Geo. Butler & Co.'s, per doz.	8 00	18 00
Bokers', "	7 50	11 00
Wade & Butcher's, "	3 60	10 00
Arbenz's, "	9 00	18 00
Theile & Quack's "	7 00	12 00

RAZOR STROPS.		
Currier's, per doz.	1 25	3 60
RIVETS AND BURRS.		
Carriage, Section, Wagon Box Rivets, etc., (Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc., (Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and 5 p.c.		
Copper Rivets & Burrs, 45 p.c. dis.		
in ½ lb. boxes and cartoons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.		
Canadian, dis. 35 to 37½ per cent.		
ROPE, ETC.		
7-16 in. and larger, per lb 10½	Sisal.	Manill
¾ in.	11	13½
¼ and 5-16 in.	14	15½
Cotton	13	
Russia Deep Sea	14½	
Jute	6¾	7½
Lath Yarn	8¾	
New Zealand Rope	9½	

RULES.		
Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.		
Mrs. Potts, per set.	0 62½	1 00
N.P., per set.		90

SAD HEATERS.		
Dome, Shepard's, per doz.	4 75	5 00

SAND AND EMERY PAPER.		
Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.		

SASH CORD.		
Per lb.	0 20	0 50
SASH LOCKS.		
Triumph and Morris, dis. 37½, 40 percent.		
Kempshall's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.		
Sectional, per 100 lbs.	1 40	1 75
Solid,		1 25

SAWS.		
Crosscut, McMillan & Haynes, per dozen	0 40	0 70
"Empire," McMillan & Haynes, per ft.		0 70
Hand, Diston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Diston's, per ft.	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.	0 75	2 75
" frame only.		0 75

SAW SETS.		
"Lincoln," McMillan & Haynes, per doz.	6 00	7 50
Whiting	5 63	7 00

SCALES		
Gurney Scales, 50 p.c.		
B. S. & M. Scales, 50 p.c.		
Champion, 60 per cent.		
Fairbanks Standard, 45 p.c.		
" Dominion, 60 p.c.		
" Richelieu, 60 p.c.		
Chatillon Spring Balances, 25 p.c.		

SCRAPERS		
Box, per doz.	2 10	4 50
Boot,	0 40	3 50
SCREENS.		
Door, patent, per doz.	6 50	11 00
Window, per doz.	2 00	2 75

SCREW DRIVERS		
Sargent's, per doz.	65	4 00

SCREWS.		
Wood, F. H., iron, and steel, dis. 87½ p.c.		
Wood, R. H., " dis. 80 p.c.		
" F. H., brass, dis. 82½ p.c.		
Wood, R. H., " dis. 75 p.c.		
Drive Screws, 87½ per cent.		
Bench, wood, per doz.	3 25	4 00
" iron,	4 25	5 75

SCYTHES.		
Discount, per doz. net.	4 50	6 00
SCYTHE SNATHS.		
Canadian, dis. 50 p.c.		

SHEARS		
B. & W., japanned, dis. 75 p.c.		
B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 60 p.c.		
Etna, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
" N.P., dis. 70 p.c.		
laus, full nickel, 60 p.c.		
" japanned handles, 67½ p.c. off.		
Seymour or Heinisch tailor shears, 15 p.c.		

SHEAVES.		
Sliding door, per set.	0 77	1 40
SHOVELS AND SPADES.		
Canadian, dis. 40 and 10 to 45 and 2½ p.c.		

SIEVES.		
Wood rim, black, per doz.	1 05	1 10
" tinned, "	1 25	1 35
Tin rim, per doz.	2 30	2 45
" black,	1 85	2 25

SNAPS.		
Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.		
Per lb.		0 25
WROUGHT SPIKES.		
Discount, 35 to 40 per cent.		

SPOKE SHAVES.		
Wood, English	1 80	5 00
Iron, American	1 35	2 35

SPOONS AND FORKS.		
Tea spoons, per gross	7 50	12 00
Dessert, "	21 00	00 00
Table, "	30 00	30 00
Dessert Forks, "	24 00	00 00
Medium "	27 00	00 00
Table "	36 00	00 00

SQUARES.		
Iron, per doz.	1 65	2 90
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAPLES.		
Galvanized	2 00	
Bright	1 00	

STEP LADDERS.		
BOECKH BROS. & COMPANY.		
Best grade, from 3 to 10-ft. long, per foot, 16c		
2nd grade, 3 to 10-ft., per foot, 10c.		

STOCKS AND DIES.		
American, dis. 25 p.c.		
STONE.		
Washita, per lb.	0 28	0 60
Hindustan,	0 06	0 07
" slips, per lb.	0 09	0 09
Labrador,	0 13	0 13
" Axe, "	0 15	0 15
Turkey	0 50	
Arkansas	0 00	1 50
Water-of-Ayr	0 00	1 10
Scythe, per gross	3 50	5 00
Grind. per ton	15 00	18 00

Stove Polish.		
		
No. 4-3 dozen in case.	\$4 50	
No. 6-3 dozen in case.	7 50	

TACKS, BRADS, ETC.		
Cheese-box tacks, blue, 80 and 20 p.c.		
Trunk tacks, black, 80 and 12½ p.c.		
" tinned, 80 and 12½ p.c.		
R.B.B. iron carpet, blued,	80	
" tinned	80	
R.B.B. iron carpet, bright or blued (in kegs)	40	
R.B.B. iron carpet, tinned (in kegs)	45	
R.B.B. cut tacks (in bulk)	80	
" ¼ weights, 4 to 14.	50	
" " 4 to 10.	55	

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays

10 cents

HARDWARE AND METAL, Toronto

THE PRESS CLIPPING BUREAU

Reads every newspaper in Canada and clips therefrom all articles of a business or personal nature of interest to subscribers in this department.

Politicians can obtain from it everything the papers say about themselves on any subject in which they are interested. Business men learn of new openings for trade, pointers to sell goods, addresses of people likely to become buyers, tenders wanted, stocks for sale or wanted, reports of new industries or stores, etc.

Terms—\$5 per hundred clippings; \$40 per thousand, payable in advance; but a yearly contract will be found the most satisfactory.

We have also lists of firms in every branch of trade in the Dominion, the professions, club members, society, etc., and we are prepared to address and mail circulars or letters to these at any time.

THE PRESS CLIPPING
BUREAU . . .

Board of Trade, Montreal



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STRONG AND SURE.
WITH A FIRM AND
AMPLE BASE."
—Longfellow.

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WISH THUS TO BUILD
an
advertisement
in the
CONTRACT-
RECORD.
TORONTO
will bring you
tenders from the
best contractors

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THE BRADSTREET COMPANY,

Executive Offices Proprietors.

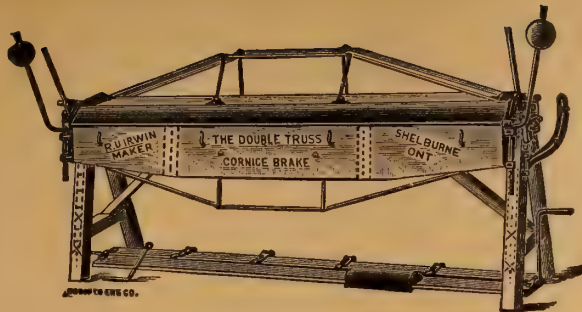
NOS. 346-348 BROADWAY NEW YORK

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McKinnon Building, Cor. Jordan and Melinda Sts.
THOS. C. IRVING, Superintendent



This eight-foot Brake bends 22-gauge iron and lighter, straight and true

Price, \$50

Very handy bender attachment, \$10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice
Brake Co. SHELBURNE, ONT.

It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

FULL LINE OF

WAREHOUSE (Portable or Dormant)

HOPPER SCALES

DAIRY SCALES, COUNTER SCALES

WAGON SCALES

TRACK SCALES

THE GURNEY SCALE CO., - Hamilton, Ont.

WALTER GROSE, 30 St. Dizier St., Montreal, Que.

Agent for Montreal and Eastern Provinces.

The Smith & Egge Manfg. Co.

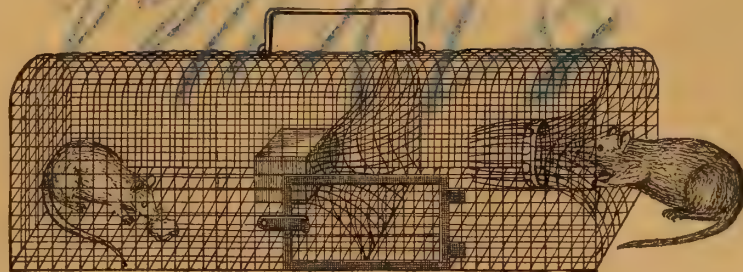
Manufacturers of

BRIDGEPORT, CONN.

"YANKEE" RAT AND MOUSE TRAPS

The most Ingenious and Effective Traps ever made. Surest, Safest, Cleanest.

These Traps are well and strongly made, and thoroughly galvanized. All Traps carefully packed and shipped in strong crates.



THE D. MOORE CO., Limited, Hamilton, Agents for Canada.

BICYCLE SUNDRIES AND PADLOCKS

"GIANT" METAL SASH CHAIN,
"Red Metal" and Steel
SASH PULLEYS,
Iron and Bronze.

PLUMBERS' CHAINS.
PLUMBERS' TANK PULLS.
PIPE STRAPS, 8 HOOKS
AND SPLIT LINKS.

Sole Manufacturers of the

"EUREKA" PATENT SHEAR.

A useful and cheap tool for cutting rods and strap metal.
SEND FOR ILLUSTRATED CATALOGUE.

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Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve

TRADE MARK.

Medals



Awarded

By **JURORS** at

International Expositions
Special Prize

Gold Medal at Atlanta, 1895



HAVE YOU TRIED IT ?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE CUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

NO MAN

on this earth of ours knows it all, but we think we know just about all there is to be known about paint making. Many years' experience has taught us just exactly how to make the most perfect paint on the market. You get the advantage of this knowledge as well as we do, as you are able to sell a paint to your customers that pleases them every time. Nothing is so good for trade as satisfied customers. You must know that. Well, when stock is getting low let's hear from you. Prompt shipment guaranteed.

The JAMES ROBERTSON CO., Limited 263-285 King Street West, Toronto

Telephones 819, 1511 and 1292.

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"1/2 Century's Test"
Langwell's
Metallic Alloys--Montreal.

CANADIAN

HARDWARE

AND METAL
MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X

MONTREAL AND TORONTO, SEPTEMBER 17, 1898

No. 38



Magnolia Metal

*Best Anti-Friction Metal for
all Machinery Bearings.*

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.



The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamp-
ed on the under side of
each bar.

MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Traders' Building.
MONTREAL—Caverhill, Learmont & Co.
General Dominion Agents.

Owners and Sole Manufacturers,
266 and 267 West St., New York

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Ottawa Exhibition

Please notice the new Main Building,
entirely covered with "Queen's Head"
Corrugated Iron.

Did you ever see better iron?

JOHN LYSAGHT, Limited
BRISTOL and MONTREAL

All
in
One

Every desirable attribute combined in one general
whole—that best describes the Radiator of confidence; the one
folks know for what it is—Radiator perfection, The "Safford."

Without bolts, rods or packing in a single pipe connection
—absolutely unleakable, screw-threaded nipple connections,
that's why.

You get perfect and free circulation one minute after the
heat is turned on—guaranteed by the
largest Radiator makers under the
British Flag.

Handsome as a Radiator **can** be—light,
yet very strong—made in twenty-five different
styles—it fits circles, corners, angles.

Made by

THE DOMINION RADIATOR CO., Limited
TORONTO, ONT.

The
Safford
Radiators.

RICE LEWIS & SON

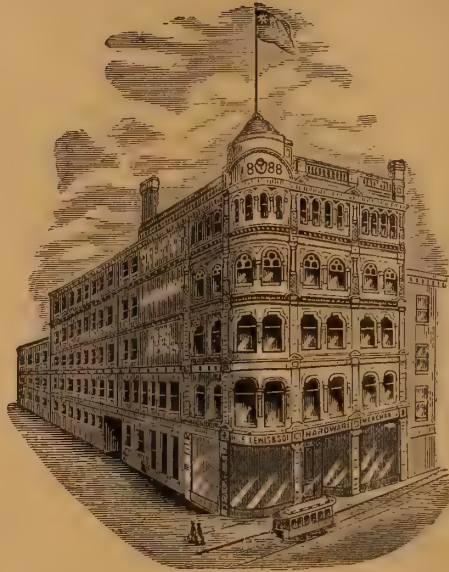
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Boiler Plate
Shelf and Heavy
Hardware



MANTELS
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FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets

...TORONTO

Anything in....

Copper

THE range of our product is from the smallest article possible to make to the largest work ever used or required.

COPPER WORK

made to any desired specification or design.



We have always on hand a large stock of

Sheet Copper and
Copper Tubing

CORRESPONDENCE SOLICITED

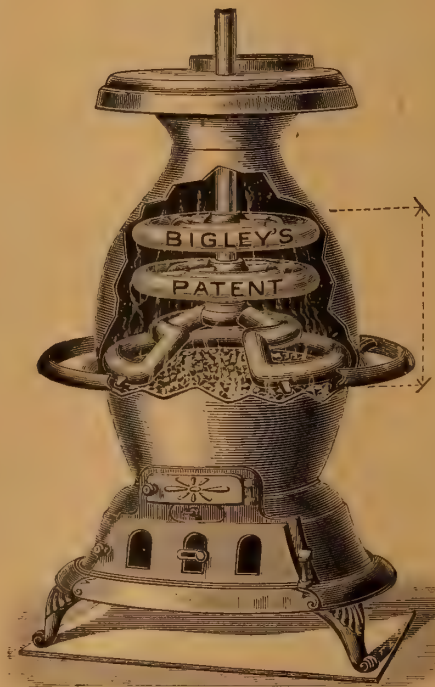
THE BOOTH COPPER CO.

Limited.

TORONTO

"BIGLEY'S" PATENT WATER HEATING COIL.

Made in
8 Sizes.



They are so constructed that one or more sections can be used. They are constructed principally for combination heating, in any kind of Hot Air Furnace, Globe Heaters or Stove, such as represented in cut. They are put together with screwed nipples and tested to 150 lb. pressure. The first section is cut away in front, so as to admit the coal. This heater adds $\frac{3}{4}$ more heating capacity to a stove or furnace. It can be built in brick for greenhouse heating.

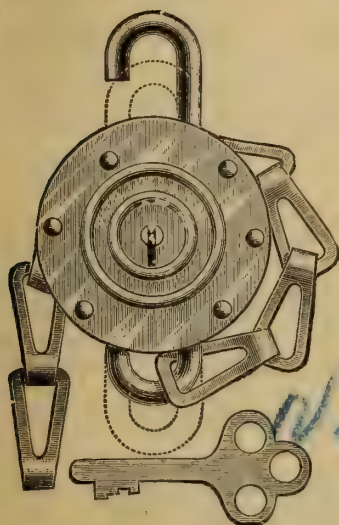
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Manufactured by

R. BIGLEY 96 and 98 Queen E. TORONTO

Bicycle Sundries

Toe Clips, Coasters,
Wrenches, and
BICYCLE PAD LOCKS



Also . . .

"Giant" Metal Sash Chain, Pulleys, "Red Metal"
and Steel Chain---Pad Locks, and Rat Traps.

Manufactured by

THE SMITH & EGGE MFG. CO

Send for
Sundry Catalogue.

Bridgeport, Conn., U.S.A.

Our "Para" Rubber Belt

is made of 32-oz. Duck
coated with fine Para
Rubber, and makes a
superior THRESHING
BELT.

OUR PATENT
SEAMLESS

Forsyth Rubber Belt

is so constructed as to
do away with an ex-
posed seam.

Price List and Discounts
on application.



THE CANADIAN RUBBER CO.

OF MONTREAL

CAPITAL - \$1,500,000.

BRANCHES: Toronto and Winnipeg.

OTHER TOOLS ARE VERY GOOD TOOLS, BUT
"YANKEE" TOOLS ARE BETTER



SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

Sold in Canada by

CAVERHILL, LEARMONT & CO.	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	"
RICE LEWIS & SON, Limited	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	LONDON
LEWIS BROS. & CO.	-	-	MONTREAL

Descriptive Circulars will be mailed
on application.

North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.

ESTABLISHED
1778.



CORPORATE
MARK.

JOHN CROSSLAND

MANUFACTURER OF

SHEFFIELD.

Pocket, Table and Butcher Knives.
Spear, Bowie, Daggers, Matchets and Hunting Knives.

These goods have a world-wide reputation for good quality and finish. Any infringers of our corporate mark will be promptly prosecuted.

APPLEBY & CO., - 501 Board of Trade, MONTREAL,

The sole agents for Canada, keep a full range of samples on view.

Standard Steel Toe Calks



WRITE
FOR
DISCOUNTS.



Sizes—No. 0 to 7, 1½ to 3 inches. Price \$1.00 Per Box of 25 lbs.
in Bulk, or 24 lbs. in 4 lb. Packages.

Sizes—No. 0 to 5, 1½ to 2¼ inches. Price \$1.25 Per Box of 25 lbs.
in Bulk, or 24 lbs. in 4 lb. Packages.

JAMES PENDER & CO., Limited, - Saint John, N. B., Canada.

The fibre is long
and strong

BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE

Eddy's Wrapping Papers

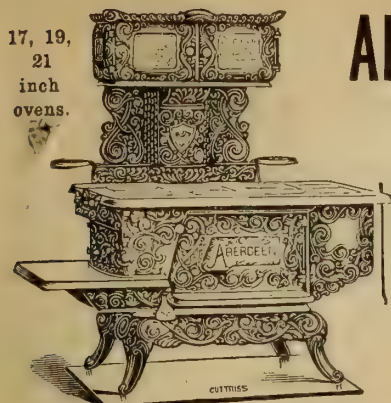
The E. B. EDDY CO., Limited

HULL
MONTREAL
TORONTO
LONDON

ST. JOHN
HALIFAX
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WINNIPEG
QUEBEC

VANCOUVER
VICTORIA
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The paper stands
wear and tear



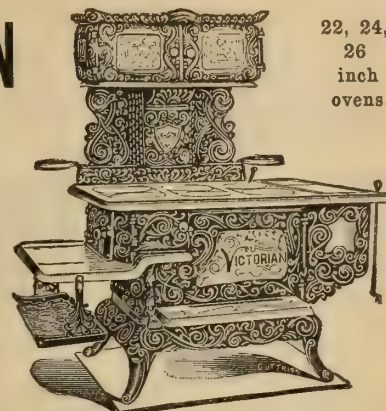
17, 19,
21
inch
ovens.

ABERDEEN, for Coal and Wood.

ABERDEEN AND VICTORIAN RANGES

These two modern, beautiful ranges give a complete line of goods for coal and for wood, and were constructed with special reference to the needs of Canadian trade. They have roomy fire boxes, capacious ventilated ovens, large fire doors, spacious hearths.

The COPP BROS. CO., Limited
Hamilton, Ont.



22, 24,
26
inch
ovens.

VICTORIAN, for Wood.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinisch's Sons Co. vs. Hermann Boker & Co.:

"The complainant (R. Heinisch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinisch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinisch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorn & Co., St. John, N.B.; H. S. Howland, Sons & Co., Toronto, and others.

Established 1825.

COLDBROOK IRON AND STEEL CO.
Limited

Manufacturers of
all kinds of

BAR IRON.

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GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

CLOTHES WRINGERS

Novelty, Royal Canadian,
Royal American, Crescent,
Paragon, Lightning,
Handy Bench.

WASHERS

Dowswell and
Burlington.

WASHBOARDS, Large Assortment.

Write for Figures.

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin

164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

AN ANNOUNCEMENT!

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

Enameline

THE MODERN STOVE POLISH

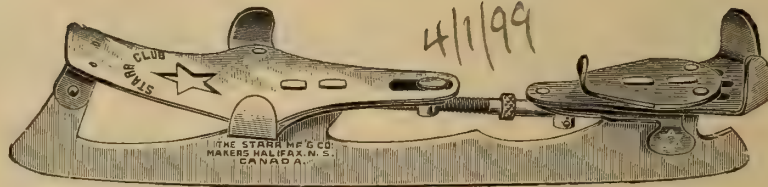
PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

THE STARR CLUB.

A most beautiful and convenient skate. Equal in quality of material and finish to the Genuine Acme.



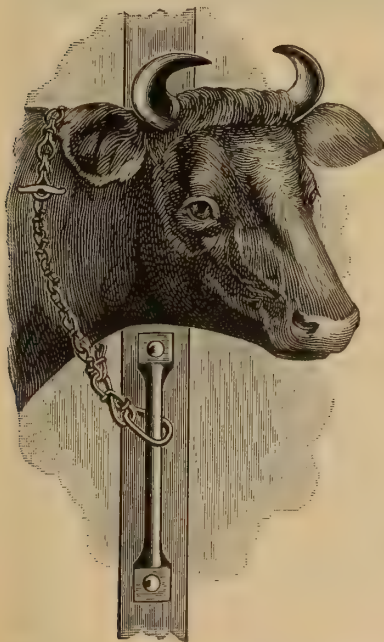
Adjustment instantaneous, and holding powers perfect.

Sole and heel clamps proportioned to suit all styles of Boots.

The Starr Manufacturing Co., Limited

T. L. PATON, Resident Agent, Montreal.

DARTMOUTH, N.S.



NIAGARA PATTERN

Or "SHORT"

COW TIE.

Made in either

CUT LINK

... OR ...

WIRE LINK CHAIN.



Showing also our new

NIAGARA STALL FIXTURE.

The cheapest, safest and most convenient stall fixture ever devised for either cows or horses. Allows great freedom to the head without a long chain, which would entangle the animal's foot. Also American Open and Closed Ring Cow Ties.

ONEIDA COMMUNITY, Limited
NIAGARA FALLS, ONT.

KEMP'S

Standard

COAL HODS



Well Finished
Strong
Serviceable

ALL SIZES
AND STYLES
IN STOCK.



Prices on Application.

KEMP MANUFACTURING CO.
TORONTO, CANADA.



HARDWARE AND METAL

Vol. X.

MONTREAL AND TORONTO, SEPTEMBER 17, 1898

No. 38

President,
JOHN BAYNE MacLEAN, Montreal.
Treasurer,
HUGH C. MacLEAN, Toronto.

THE MacLEAN PUBLISHING CO Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P. E. Island and Newfoundland.

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NEW YORK - - - - 14 Irving Place,
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Subscription, Canada, \$2.00. Great Britain, \$3.00

Published every Saturday.

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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

A \$200,000,000 CORPORATION.

THE consolidation of the big steel concerns in the United States has at last been consummated. And an enormous consolidation it is, for not only does it include four or five manufacturing firms which are large in themselves, but the capital is to be the fabulous sum of \$200,000,000.

This organization is to be known as The Federal Steel Co., and was, a few days ago, incorporated as such under the laws of New Jersey. The charter authorizes the company to engage in the following enterprises:

Mining of all kinds, manufacturing of all kinds, transportation of goods, merchandise or passengers upon land or water; building houses, structures, vessels, ships, boats, railroads, engines, cars or other equipment, wharves or docks; constructing, maintaining and operating railroads (other than railroads within the State of New Jersey),

steamship lines, vessel lines or other lines for transportation; and the purchase, improvement or sale of lands; to manufacture, purchase or otherwise acquire, to hold, own, mortgage, pledge, sell, assign and transfer, or otherwise dispose of, to invest, trade, deal in and deal with goods, wares and merchandise and property of every class and description; to acquire and undertake all or any part of the business, assets and liabilities of any person, firm, association or corporation; to enter into, make, perform and carry out contracts of every kind with any person, firm, association or corporation; to have one or more offices; to carry on all or any of its operations and business, and unlimitedly and without restriction to hold, purchase, mortgage, lease and convey real and personal property in any State or Territory of the United States and in any foreign country or place; and, in general, to carry on any other business in connection therewith, whether manufacturing or otherwise, with all the powers conferred by the laws of New Jersey upon corporations under the Act hereinafter referred to.

The capital is to be equally divided between preferred and common stock. The new concern will include the Minnesota Iron Co., the Illinois Steel Co., the Elgin, Joliet and Eastern Railroad Co., and the Loraine Steel Co., including its Johnstown plant. The amount of stock necessary to be issued will be about \$52,000,000 preferred and \$46,000,000 common.

The Minnesota Iron Co. to get 135 1/2 per cent. in new preferred stock and the right to subscribe for 108 4-10 per cent. new common at \$25 per share. The Illinois Steel Co., 100 per cent. in new preferred and the right to subscribe for 80 per cent. new common, at \$25 per share. The Elgin, Joliet and Eastern Co., 87 1/2 per cent. in new preferred and the right to subscribe for 70 per cent. new common at \$25 per share.

The Minnesota company is credited with being about the largest mining concern in the world, and one of its mines in Minnesota turns out about 600,000 tons of ore per annum.

If you want good clerks you want to be a good merchant. Like begets like.

THANKSGIVING DAY QUESTION.

AMONG business men, there is, every year, a great deal of discontent at the date fixed by the Governor-General in-Council for the holding of Thanksgiving Day.

The men who are most concerned, financially, in the Thanksgiving Day are the merchants of the country. They close their stores on that day, and consequently earn nothing. With the farmer, it is different. His stock is fattening and increasing in value just the same.

But, important as are the interests of the merchant, he is, as it were, a nonentity, when the day is being fixed. His interests do not appear to even enter into the thoughts of the authorities.

The discontent of the business men, in the matter, has become so pronounced, that HARDWARE AND METAL has decided to take the matter up, and, with this end in view, the opinions of the trade are courted, either through the medium of brief letters or interviews.

What is desired is an expression of opinion as to whether the last Thursday in November, the day on which it is customary to hold the holiday, is suitable or not, and if not, about what other time would be suitable.

How, for instance, would the first Thursday in November do?

Rely on others to turn something up for you, and six to one you will be turned down.

WHAT CANADA NEEDS IN LONDON.

A RECOMMENDATION in the report of the commercial intelligence committee of the British Board of Trade is to the effect that an office be established in London, whose function shall be "to meet the constantly and increasing demand for prompt and accurate information on commercial matters."

This recommendation is considered the chief one the report makes. And it in all probability is. But the thought which will, no doubt, arise in the mind of the average Canadian is that whatever may be the needs of Great Britain in this respect, the Dominion, at all events, needs an office in London, whose duty shall be "to meet the constantly increasing demand for prompt and accurate information on commercial matters," regarding this country.

Where, less than two years ago, the Dominion of Canada was among the least talked of in Great Britain of the colonies, it is to-day the most.

The exchanges which come to hand are continually making reference to Canada, and business men, tourists and emigrants are turning towards this country, who a few years ago would not have thought of doing so.

But the man, whoever he be, and whether to sell goods, travel or settle in Canada, naturally wants to know something about the country.

A knowledge of the history of the country, its geography, and its trade, he can acquire from the study of books, provided he gets authentic books, but, there are certain practical things he cannot thus get. The best way to secure the desiderata is, of course, to come to the country. But very few people can do this. And they would not if they could. There should, therefore, be some sort of a bureau where practical men, and men who are Canadians, are in charge.

It is true Canada has in London what is known as the High Commissioner's office. But, for the purposes in question, it is of next to no use. It may be all right for dealing with questions appertaining to the state, but there its usefulness ends.

Of the whole staff, outside the Commissioner and one other man, who has not

lived in this country for a number of years, none are Canadians. Fancy an office of the British Government in Toronto or Montreal manned by Canadians for the purpose of disseminating information for intending settlers in England! The idea is absurd.

Not long since, a gentleman who intended coming to Canada visited the High Commissioner's office in quest of certain information. It was like asking the Sphinx who was its builder. The clerks were quite courteous, and they always are, but they did not know. They would mail him the information.

The information was never mailed. Some papers were. They were, to the disgust of the Englishman, merely Canadian Pacific railway literature.

What Canada wants is an officer in London who shall "meet the constantly increasing demand for prompt and accurate information on commercial matters" appertaining to Canada.

The High Commissionership need not necessarily be abolished. There are, in all probability, matters enough of state to warrant the office being continued, but, whether the High Commissionership goes or stays, one thing is certain: Canada needs an agent in London to furnish that information which business men, tourists or emigrants need regarding the Dominion of Canada. And the man appointed must not be because of his political influence, but because of his ability to fill the office.

IMITATING LABELS DANGEROUS.

It seems to be quite a common trick of makers to copy, as near as possible, goods of those already on the market, and to imitate their trade marks, labels, packages, etc. This is a serious and dangerous proceeding, as such parties are liable to be prosecuted and condemned to pay damages which the other manufacturer has suffered through such imitations.

Of course, most honorable makers will avoid such troubles, but, there is no doubt, that a number of unscrupulous makers and dealers work specially on the reputation of their better competitors, and the public should be warned against such goods.

It is unlawful to imitate labels, trade

marks, packages, boxes, wrappers, advice notes, price lists, letter headings, invoices and similar articles generally used in the transaction of business of a well-known maker or firms, so that to the untrained eye, or ordinary buyer, they appear to be virtually the same well-known brands. Judges will take the general impression of the appearance, and render the judgment accordingly. Excuses, such as not being aware of having made a copy, will not hold good before the law.

ANOTHER RISE IN GLASS ABROAD.

THERE has been another advance of fully nine per cent. in the price of window glass in Belgium.

This last rise, is one of several that has transpired during the past month or so, yet, to the surprise of many in the trade in Montreal, spot values have shown no inclination as yet to respond.

As new importations of glass sold at current market values would mean a loss of 15 to 20c. per box, it is held that it will not be long before the spot price exhibits some response to the strength displayed abroad. In fact, it seems certain that it would have done so ere this in Montreal, but for the action of one dealer.

This firm's stock of glass is rather more ample than those of most of its competitors. Accordingly, it is disposed to book as many orders as it can at existing values, and, naturally, other firms can do nothing but follow the example. But with the strength at primary markets the latter are hoping that they will be able to induce the recalcitrant firm to consent to an advance in values proportionate to the rise in cost abroad.

THE FIRMNESS OF CEMENT.

The temporary scarcity in the Montreal cement market has not yet been relieved, and, as a result, the advance noted last week for prompt delivery is still easily obtainable.

Some modification, however, is expected as a result of the arrival of three steamers, now on their way up the river, which are expected to arrive before the end of the week. Each of these vessels has a considerable quantity of cement on board, which will have a tendency to ease up the present stringency of the market.

TO MAKE SAWDUST USEFUL.

SAWDUST has hitherto been a drug on the Canadian market, but, if the result expected from recent experiments in one of the mammoth mills near Ottawa materializes, it will be a source of wealth to Ottawa lumbermen.

F. L. Emerson, in experiments at W. C. Edwards' sawmill at New Edinburg, Ont., demonstrated that calcium carbide, from which acetylene gas is generated, can be produced from sawdust, producing also, as by-products, creosote oil, an oil that acts as a solvent for rubber, heavy wood oils for paints and varnishes, black creosote oil for treating railroad ties, asphalt paving, acetate of calcium, used largely in the textile trade and wall paper industry.

The sawdust is put into a machine which is heated. The heat acts on the sawdust, producing a number of gases, including hydrogen. This passes out of the retort and is burned in the furnace. It generates so much hydrogen that the gas emanates from the retort and burns as it comes forth. The heat and chemicals produce decomposition in the sawdust, expelling various compound gases, including carburetted hydrogen. This passes out of the machine and is passed into the furnace. There it is burned, and furnishes the supply of heat requisite to the conducting of a continuous operation.

Carbon derived from this source, owing to its density and purity, is superior, and produces what is known as charcoal iron, which commands the highest price in the market. Calcium carbide, derived from this source of purified carbon, is worth from \$60 to \$70 per ton.

As the mills in the neighborhood of Ottawa produce about 900 tons of sawdust per day, it is easily understood that, if the hopes of the experimenters are realized, Ottawa will reap enormous benefits. The details of the process will be kept secret.

A PREFERENCE DISALLOWED.

The new United States bankruptcy law proved itself of value to shoemen the other day, when a shoedealet in Indianapolis, a woman, gave chattel mortgages of \$1,500 or \$1,600 to some alleged creditors, and thus made them preferred creditors. This is against a provision of the new law, and pressure was brought to bear, by which she

was obliged either to pay each and every one of her debts or go into bankruptcy. As she had money enough to pay all her honest debts, she decided to do so, and thus her little game was nipped in the bud, and her merchandise creditors have 100c. on their claims.

U.S. TINPLATE INDUSTRY AND CANADA.

ABOUT a year ago, an effort was made to consolidate the tinplate industries of the United States, but it proved abortive. Now, however, another effort is being made.

It is said that between 75 and 80 per cent. of the mills have already been given options on their plants, with a view to an out-and-out purchase.

Tinplate making in the United States is a young industry, but it has developed to such an extent that it is considered by some to be already overdone.

The average number of mills in operation during the period, from January to July inclusive, was 234, with a total production of 3,954,390 boxes of 100 lb., 14 x 20. A year ago, for the same period, there were 183 mills, with a production of 3,009,777 boxes, and, for the same time in 1896, 2,079,870. When the mills at present being erected are completed, an increase of about 25 per cent. in the production is estimated.

Canada has, as yet, imported no tinplates from the United States. The price has precluded it. But, when the threatened over-production across the border becomes a pronounced fact, we may expect to see the manufacturers there making effectual bids for Canadian business.

At present, there is only a difference of a little over 2s. per box between the price of British and United States tinplates.

HARDWAREMAN'S SUDDEN DEATH.

Wm. Campbell, son of Joseph Campbell, stove and hardware dealer, Trenton, Ont., died at his home on Wednesday. Mr. Campbell was in Toronto during the exhibition weeks, and was in such apparent good health that the news of his death was a matter of surprise to both his business and personal acquaintances in Toronto.

Success may be a long way off, but perseverance can usually find it.

CHAT WITH A HARDWAREMAN.

IHAD a few minutes' pleasant chat, a few days ago, with Mr. H. F. Schmidt, a bright young man who manages the hardware, stove and tinsmithing business of his father, E. Schmidt, Sebringville, Ont.

"Trade this summer," he said, in response to a question, "has been the best for many years. And we have had excellent grain crops. The apple crop is large, and load after load is being taken to Stratford, five miles away, to be evaporated."

"How did you come out on binder twine?" I asked.

"Oh, we did well," he replied with a broad smile. "We sold most of ours at 13c., and some at 15c., while we bought early in the season. Some of the retailers in our part of the country got left, having held on too long, and the last week or two of the season binder twine could be bought from them pretty cheap.

"The stove and furnace trade," continued Mr. Schmidt, "is now awaiting attention. We do quite a business in furnaces as well as stoves. Quite a number of furnaces have, of late, been put in dwellings in our neighborhood."

Mr. E. Schmidt started business in Sebringville some 35 years ago.

TURPENTINE TWO CENTS DEARER.

Turpentine is 2c. per gallon dearer in Toronto and Western Ontario. The advance was decided upon on Thursday, and was anticipated in *HARDWARE AND METAL* of a week ago.

Figures are now 47c. Toronto, Hamilton and London, and 48c. Western Ontario points, freight allowed.

The statistical position of the turpentine market is a strong one, stocks at Southern primary points and in New York being much more favorable than they were a year ago.

Advances at Savannah have been rather sharp, resulting in an increase in receipts from the interior, which, in turn, imparted a slightly easier feeling to prices. But this latter condition was only of a temporary nature, the general tone of the market being strong.

Some jobbers in Toronto have fair stocks on hand, but others again have been buying in a hand-to-mouth way.

THE TRIAL BALANCE SHEET.

By F. S. Terry.

WHILE the trial balance serves a purpose in locating errors in a set of books, its principal use is to furnish information and from it we should be able to obtain a true analysis of the condition and results of the business.

As the trial balance is the basis for all other statements, it is important that it should contain those accounts, and those only, that are necessary to a complete knowledge of every branch of the business. The arrangement of the accounts seems to the writer to be important, although it seldom

3. Those showing the result of the business :

- a. Factory items.
- b. Sales department items.
- c. General items.

It will be noted by referring to the specimen trial that balance, instead of placing together all assets and then all liabilities, that the groups are made up containing both assets and liabilities, where they are of the same character. This grouping of the accounts is of value in determining the financial condition.

Under the group "quick items" will be found all accounts that have an early cash

be paid when the collateral is disposed of, are placed under the head of "temporary items."

Money loaned or advanced is not subject to the same rules governing its collection as accounts for merchandise sales. Both should not, therefore, be placed in the same account, and loans and advancements are included above under the head "temporary items." It is frequently found desirable to open a special account, that the expenditures in a special matter may be kept together; and, when completed, the total is transferred to the expense account, or to one of the investment accounts, or otherwise, as the case may be. In the trial balance here given such accounts, before being completed and transferred, are shown under the head of "special accounts," and are placed in the group of "slow items."

The purpose of every business is to make a profit that can be turned into cash. A book profit that does not ultimately increase the bank account is either fictitious or valueless. As cash is the desideratum, the cash account is placed first on our trial balance. Bills receivable as being the asset most easily turned into cash, is placed next, accounts receivable follow, and so on through the trial balance.

In the specimen trial balance the manufacturing plant is shown as one item, "factory plant," and may consist of lands, building, machinery, tools, etc. A separate ledger account should be kept for each, and they can be combined in the condensed trial balance as given here, or each shown separately as desired.

Following the accounts of the assets and liabilities are the general profit and loss items, showing the amount brought down at the last closing of the books as undivided profits, the amount declared in dividends, etc. It will be seen at a glance that these accounts should be considered together.

Next, are the accounts that give the results of the operation of the business. The factory output account shows the value (usually at practically cost) of the goods shipped from the factory, and this account should be given the same credit whether the

CONDENSED TRIAL BALANCE.

QUICK ITEMS.	
1. Cash	
2. Bills receivable	
3. Accounts receivable, for sales	
4. Bills payable, current	
5. Accounts payable, current	
TEMPORARY ITEMS.	
6. Loans and advancements	
7. Accounts consigned by us	
8. Warehouse finished stock	
9. Loans against collateral	
SLOW ITEMS.	
10. Special accounts	
11. Bills payable, time loans	
12. Accounts payable, time	
13. First mortgage bonds due	
INVESTMENT ITEMS.	
14. Factory plant	
15. Office furniture and fixtures	
16. Patents	
17. Capital stock	
18. Surplus	
GENERAL PROFIT AND LOSS ITEMS.	
19. Undivided Profits	
20. Dividends	
FACTORY ITEMS.	
21. Factory output	
22. " finished material	
23. " raw material	
24. " labor	
25. " expense	
SALES DEPARTMENT ITEMS.	
26. Sales dept. sales	
27. " purchases	
28. " expense	
29. " bad accounts	
GENERAL ITEMS.	
30. General expense	
31. Interest	

appears to have been given much consideration.

First, the detailed trial balance is taken, showing the balance of each account on the ledger. Accounts of the same character are then combined and the condensed trial balance is made up.

Below is given a specimen trial balance of a manufacturing business in which results of the factory or manufacturing department and the sales department are kept separate.

We would call attention, not only to the accounts that are included in this trial balance, but particularly to their arrangement.

The accounts are divided and subdivided according to the following plan :

1. Those representing property and having a present value :
 - a. Quick items.
 - b. Temporary items.
 - c. Slow items.
 - d. Investment items.
2. Accounts showing the accumulated profits and the disposition of the profits.

value, and also such liabilities as must be settled at an early date. If the balance increases on the debit (assets) side of this group, it shows an increase of the funds available for the everyday transactions of the business, and vice versa. If both the assets and liabilities have increased or decreased the same amount, it is manifest that the real condition has not changed. This will make it clear that these accounts should be considered together.

The groups "temporary items," "slow items" and "investment items" contain such accounts as their names imply. It will be entirely clear that notes that must be paid within a few weeks, and those that can be carried along indefinitely, are different classes of indebtedness, and that to show both together, in one bills payable account, would not be correct. In the trial balance given, the notes payable within a few weeks are classified "quick items," and those payable at a distant date are classified as "slow items." Loans upon collateral, to

**WIRE NAILS
TACKS
WIRE**

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

goods are sold to customers or placed in the company's warehouse.

The sales department sales and purchases are kept separate, instead of including both in one merchandise account. Purchases account may include both factory merchandise and that bought outside. The journal entry for merchandise obtained from the factory should be:

Sales Dept. Purchase Acct.,

To Factory Output Acct.

It seems to me preferable to place all expense items in one expense account, and, if desired, make an analysis, showing what these expenditures consist of, rather than to have separate accounts, traveling expense accounts, etc.

Bad accounts account is for accounts that are considered uncollectable, and are charged off to this account, rather than direct to the profit and loss or undivided profits account, which seems to me preferable.

General expense account is to provide for those items of expense that are not properly chargeable to either factory expense or sales department expense.

In every business other accounts will be required to meet its special requirements.

Each item in the trial balance is given a number; these will be found convenient reference numbers in making up other statements.

It will add to the convenience, and be found desirable, to arrange the accounts in the ledger in the same order that they are to appear in the trial balance.

A trial balance, arranged as suggested, will, without doubt, enable one to obtain valuable information in reference to his business that would otherwise be overlooked.—The Bookkeeper.

PATENTS AND INDUSTRIES.

Marion & Marion, solicitors of patents and experts, New York Life Building, Montreal, write: "Prior to January 1, 1881, 236,136 patents (not including 9,957 patents granted prior to 1836) were issued by the United States. These included all patented inventions exhibited at the Centennial Exposition at Philadelphia, an exposition of which the most striking and important feature was its display of the improvements in industrial arts brought about by American invention, a display which was a revelation to all who visited that exposition, and was justly attributed to the stimulus given to inventions by the United States patent system. It was believed by many that the inventions there exhibited represented the highest development possible, that there was no further room for improvement in many of the arts at least. Yet, the effect

AT FIRST SIGHT

Our prices no doubt appear rather high. They are higher than other brands of paint.

But before you can fairly call a price dear or high, you must know what you will get for your money.

Many think that a gallon of paint is just a gallon of paint all the world over.

That is as far as you can judge from the label, but open the can and turn out what's inside—test its covering capacity, its wearing qualities, and appearance, etc. Then you will see the difference there is between

THE SHERWIN-WILLIAMS PAINT

and others. This is the test to prove its value, and show up the honest and thorough work we have done in our thirty years' experience.

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers,

CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON

Walter H. Cottingham
Managing Director
Canadian Dept.

of this exposition was not, as might have been expected, to discourage invention and to convince inventors that nothing more remained to be done, that the field of invention was exhausted, but to largely stimulate invention. For three years after this exposition, the number of applications for patents received was less each year by fully one thousand than in 1876, but in 1880 the number was nearly one thousand more; in 1881, nearly five thousand more. In 1882, ten thousand more than in 1876 were received. Last year the number received was, by six thousand, more than twice the number received in 1876."

PUSHING SPECIALTIES.

Knox Henry, who for the last 16 years has had a favorable business connection with some of the leading firms in Canada, such as Pillow & Hersey Manufacturing Co., Abbott & Co., and others, has lately opened up an office in Montreal, in room 220½ Board of Trade building, where his many friends among the hardware trade will be pleased to renew former acquaintance. He has had the lucky experience of successfully placing on the market any goods ever handled by him in the past, and a perusal of his advertisement will show at a glance that the specialties he handles are among the best offered to the trade.

A GOOD HARDWARE STORE.

AN excellent model for a country hardware and tinsmithing warehouse is that of Boyle & Sons, Nananee, Ont.

This firm is an old one, being started 33 years ago by the late Henry Boyle. The business has grown until now two storeys and a basement, 80 x 45, are utilized.

In the basement are kept paints, oils, glass, nails, and all the heavier articles of a hardware trade.

The shelving in the street floor extends the full distance of the shop. The eastern side is filled with culinary utensils, etc., while along the western side are displayed table cutlery and miscellaneous smallwares. The floor space is devoted to a display of stoves, and all varieties, from the single-wick coal oil stove to the elaborately plated range, are kept in stock. There are two large show windows, which are dressed to suit the season's trade.

At the rear of the store is a workshop, where half-a-dozen hands are employed. One of the productions of this shop, the Boyle milk can, has a reputation extending over much of Ontario.

The second floor is used as a storeroom. Two buildings in the rear are used, one for the storage and repairing of second-hand stoves, and the other as a workshop for the manufacture of cheese vats, etc. The store is lighted by incandescent electric lights, nearly 40 being used.

SELLING HARDWARE.*

By Charles G. Jewett.

THE ethics of the hardware business are distinct and recognizable from the ethics of all other businesses and professions, but it takes genuine genius to distinguish them after all. We, in the hardware business, are looking eagerly for what others are looking for with no less eagerness—namely, profits. We are not in business as a matter of recreation, or convenience, but to make money.

We might dissimulate and say that we are philanthropists, that we are doing business for the benefit of others, but even the ten-year-old schoolboy has been taught to look upon such sort of protestation as being of the nature of a broad humor, and we must forego the employment of the convenient subterfuge to save ourselves from being the objectives of twiddling fingers poised uncentainly on the terminals of impudent noses.

The ethics of our business are the ethics of every other gainful profession or profit bearing enterprise. Why try to conceal it? The progressive tendency of the times had converted every man, even the evangel, into a money-getter. Why try to make our fellow men believe what we ourselves do not believe by lifting the veil of ethics to cloak our real purposes? The ethics of our business are to get business, just as the ethics of the medical profession or the clerical profession are to get business, and to get business we must make known to our fellows that we have business to do with them.

How can we establish, each for himself, a bureau of publicity and promotion that will give notice to the people of the respective communities in which we live, that we are in business and want to do business with them, and after that get them to do business with us? It is possible that the best answer is that the man that can conceive and execute such an enterprise successfully can command a salary exceeding that of the United States President, and at once assume a rank of importance that the world's benefactors have never dreamed of for themselves.

But, if that is the best answer, it is not a satisfactory answer. What we want to know is, how best we may use our resources and facilities to command trade and patronage that would not come to us by natural gravitation.

LET THE PUBLIC KNOW YOU ARE AWAKE.

The resources and facilities of the trade are not common and universal. The hardware merchant in villages and small cities does not command the sources of publicity

that merchants in larger towns and cities command, and hence no general rule of publicity will apply to all localities with equal force. For instance, a merchant in the country may place a plow and a bag of fertilizer before his store, and that will announce to his zone of trade that he has plows and fertilizers for sale, and incidentally would imply that he had other staples in the hardware line.

But the city merchant would announce himself a freak, and also run the risk of getting himself into trouble with the constituted health authorities, if he placed on the walk in front of his place of business a plow and a bag of fertilizer. That would not advertise effectively to the city trade that he dealt in kitchen utensils, fishing tackle, screen doors, hammocks and lawn mowers. In short, it wouldn't be anything more than a suggestion, that he was too lazy to take his farm supplies in out of sight.

Having this distinction in mind—namely, that what would be admissible advertising in the country, might be absurd non-advertising in the city—we come at once to the question propounded by the subject assigned me.

BARGAINS STIMULATE BUYERS.

Special leaders at special prices on anything in a sparsely settled region would be abortive, for the reason that with trade at

its best, the merchant must have normal profits on all goods sold, or else he cannot do business. Special leaders at special prices on special sales days in large towns and in cities must depend largely on the originality, enterprise and popularity of the merchants making them—a gigantic success in one place might prove a lamentable failure in another, although the attractions are identical.

The measure of success that attends a special sale is not determined so much by the price of the article offered for sale, as upon the reputation of the house offering it for sale. Let me make this clear: Suppose Jones offers a high grade lawn mower for \$5, claiming that the regular price is \$9. Ordinarily that kind of an offer, if generously advertised, ought to attract a large trade.

But Jones has the reputation of dealing in cheap goods. The public has been drawn to his store by cheap prices, only to learn his goods are cheap. Therefore, his sale of lawn mowers turns out to be a chilling frost. He gets no more trade than he would had he not advertised his special sale price. He has fooled the people once or twice, and that settled it.

Now, let Brown advertise a lawn mower worth \$7 for \$5, on a day named, and in the season when lawn mowers are in demand. The public knows that Brown

GILBERTSON'S

"COMET"

BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized

and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent 22 St. John St., MONTREAL

*Paper read before the Michigan Hardware Dealers' Association.

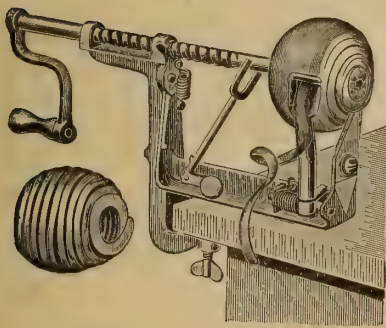
H. S. HOWLAND, SONS & CO.

**Wholesale Hardware
Merchants**

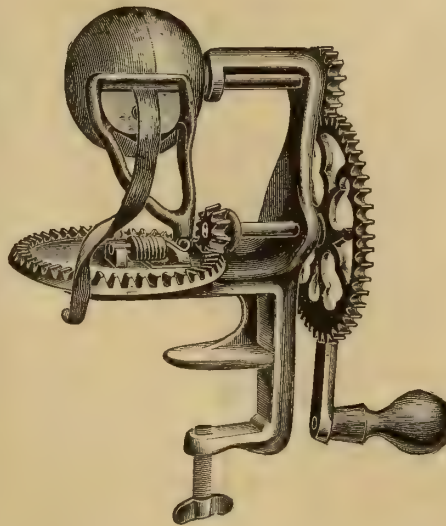
37 and 39
Front Street West,

..TORONTO

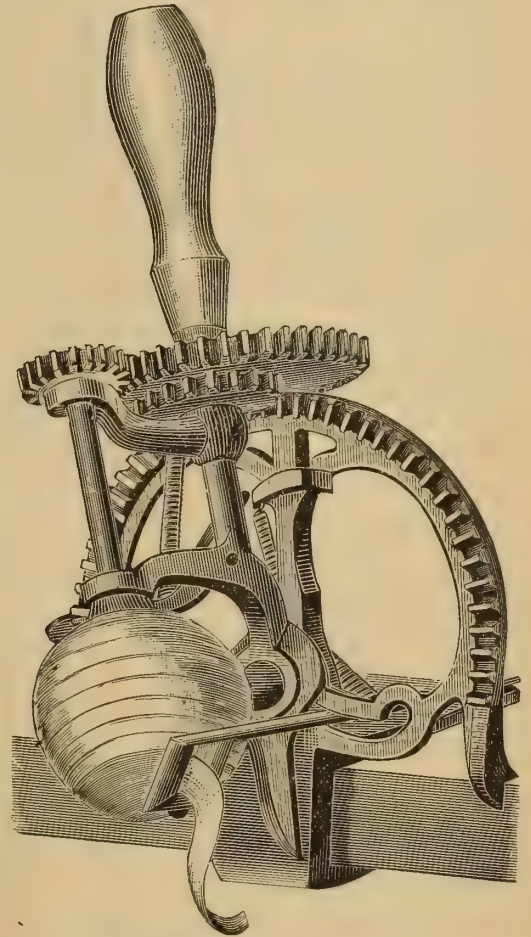
APPLE PARERS



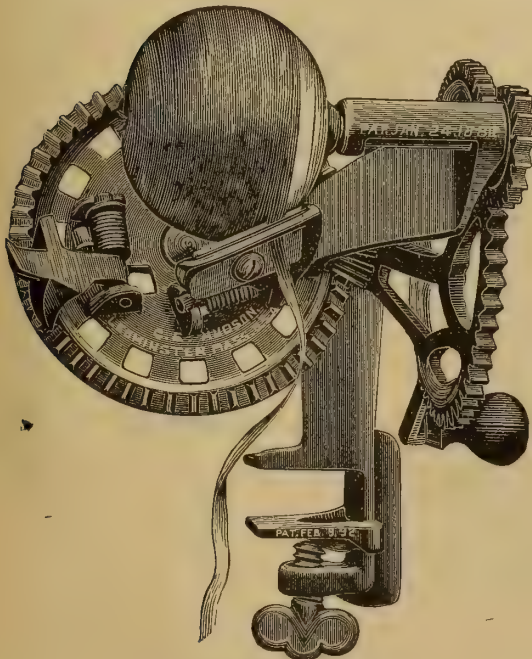
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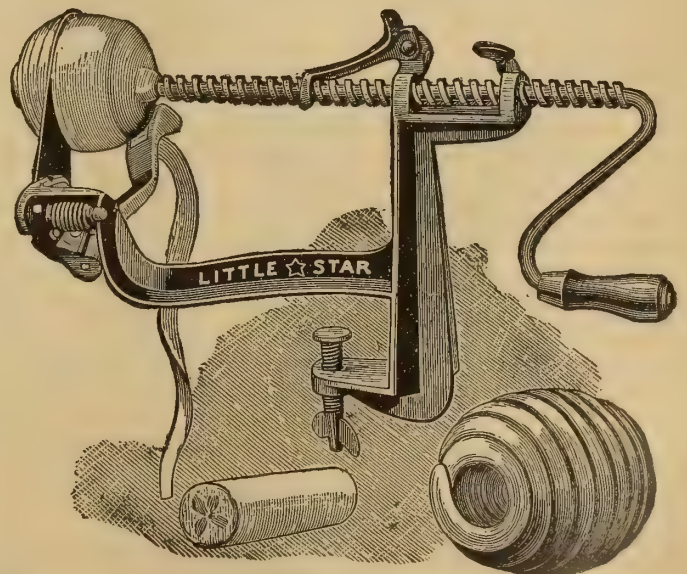
TURN TABLE.



NEW LIGHTNING.



ROCKING TABLE.



LITTLE STAR.

ORDER FILLED PROMPTLY.

GRAHAM Cut and Wire Nails are the Best.

can be relied upon. He sells a score or more of lawn mowers at \$5, and saves himself from loss. The people believe that what Brown says is true. You catch the idea, of course. Jones made a failure, Brown made a success. Brown sold his mowers at cost, and enough other goods to pay interest and running expenses.

Brown succeeded in his undertaking—namely, he advertised himself, and added to his sales the other goods purchased by the people who came to buy mowers, but would not have been sold or seen except for the special sale.

But will special sales of special goods out of season attract trade and prove profitable? No. No merchant can ever expect to make money by giving goods away. He must sell to make a profit. If he cannot do that, he would better go out of business before the sheriff visits him.

INTEGRITY AS A BASIS.

The first condition of business prosperity is confidence, the kind that establishes belief. The merchant must be believed nowadays in order to get trade. The time when people liked to be humbugged and laughed over deceit in trade is long way past. The early theory of Barnum would not be popular now, as is proved by his opposite method in later life and the excellence of the show that now bears his name and the excellence of the shows of his competitors.

In speaking with an advertising writer on this subject a few days ago, he said to me: "Our aim in advertising is not to win a reputation for printing sharp repartee, which might be our own or borrowed from another, but to state plain truths about things to wear in a plain way. We want our 'ads. read at the breakfast table along with our news of the day, and commented on by the members of the family. We have special sales; some of them look surprising, but back of every inducement we put out is the reputation of our house. We make our label the synonym of value. When we say \$15 suits for \$5, we mean that we are offering for sale suits that we ought to sell for \$15, and our patrons know it is so. Our sacrifice! Some of the suits cost us \$12. But if they would not sell for \$15 this year, they would not sell for it next year. Then, there is the interest and per cent. at least to be added besides, and in the end sold at a discount. The value of these suits sticks out like a sore on your nose, and, while we lose on the special sale, we always sell hats, furnishing goods and other things for profit enough usually to make the sale save us."

TRADE RELATIONS WITH CANADA.

IN our last issue we published some general notes from the hand of our special commissioner, who is visiting Canada with the object of studying the trade relations between this country and the Dominion. These notes touch on several interesting phases of the topic. Generally

speaking, they may be said to illustrate some of the thorny details in connection with the trade, which must be taken into account on this side of the ocean, but a few difficulties do not unmake a trade. If they cannot be overcome they cannot be ignored, and there is not much in those referred to by our correspondent which need present insurmountable barriers to our exporters if they are really in earnest in extending Canadian orders for British productions. Almost every week that passes presents us with fresh evidences of the extremely vigorous policy which is being pursued by the Government of Canada to forward trade in both directions with the Mother Country. For example, the Minister of Agriculture for the Dominion is among us addressing commercial bodies and otherwise exploiting this market for Canadian productions, and with marked success. So far as these well-directed efforts result in stimulating our imports from the Dominion, a spur to a reciprocal increase of exports of our manufactures to Canada is inevitable, so that if it be a fact that the preferential Canadian duty just about puts us on a par with the lesser cost of carriage from the States, we are, at all events, left to reap the full advantage of any natural preference for British goods, and of the operation of the economic law of barter between countries whereby the purchases of each tend to be paid for by its sales to the other.—Hardwareman.

HORSESHOER'S DIFFICULTY OVERCOME.

IT has been a common complaint among horseshoers for many years past, that their rasps (the tool which they use more than any other), while of fair quality, are not what they should be. Even the rasps accepted as the best and most popular on the market have the uniform and universal defect of being soft, and, therefore, not lasting long; the difficulty which the manufacturers find in throwing up a good tooth in hard steel, i.e. steel of hard carbon, is circumvented by their using a poorer quality of steel, with the result that it does not temper so well.

The Nicholson File Co., of Providence, R.I., have worked upon this problem for a considerable time and have, within the past few months, as a result of their experiments and inventions, placed upon the market a horse rasp which overcomes the difficulty. The secret of their patents, taken out some time since, is that their rasp punching machine handles steel of high carbon, and this steel, when tempered by the Nicholson Co.'s own perfected processes, is naturally much harder and more durable. Such of the leading farriers as have been consulted from time to time by the company in order to get a tool best fitted for the needs of the trade, declare that the new Nicholson rasp gives satisfactory service.

Besides these most important points of high carbon steel and thorough tempering, the rasp has the additional strong points of being replete with sharp tooth points, which make it work easily and quickly. At the same time the tooth does not clog.

Safes, Scales Trucks, Barrows, etc.

Goldie & McCullough's Safes, Vaults, Doors, etc. Standard Scales of every size and variety. Trucks and Barrows for every service. Show Cases, every design and size. Butchers' and Blacksmiths' Supplies. Second-hand Safes bought, sold, exchanged or repaired.

F. M. SULLIVAN.

Office—308 St. James St. MONTREAL, QUE.
Factory—419 St. Paul St.

Emercy and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent,
April 3 1897.

With Plated Rust Proof and Guarded Spring.
"The Latest and Best." Sold by all Leading
Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety,
Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and
Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

KNOX HENRY.

Heavy Hardware and Metal Broker

Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—Bar Iron, Steel, Railway Spikes, Pressed Spikes, Cut Nails, Wire Nails, Tacks, Horse Shoes—(Diamond Brand), Horse Nails—"C", Pig Tin, Pig Lead, Babbit Metal, Solder, etc. Correspondence solicited.

AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods
We make a specialty of.... Can ship promptly and supply the very best

"Hand Shaved"

Octagon Axe Handles

Made by
Indians

being the largest dealers in Canada in this line.
Can give exceptional value.
Have 5,000 dozen of these handles
on hand, ready for polishing.
Write for prices.

Eastern Agent—W. B. Murdock, Amherst, N.S.
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Tilbury, Ont.



Emery

Write for Latest Catalogues and Samples to

Cloth and Paper.
Glass and Flint Paper.

"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.

Grinding Machinery.

THE LONDON EMERY WORKS CO., 10-12 Vine Street Clerkenwell, **LONDON, E.C.**

AGENTS WANTED.



Stove Boards

Lithographed and
Crystalized.

SEAMLESS

The only makers in Canada of Stove Boards with Seamless Corners.

The THOS. DAVIDSON MFG. CO., Limited

Coal Hods, Elbows, Stovepipe, Fire Shovels, etc.

MONTREAL

CANADIAN ADVERTISING is best done by THE
E. DESBARATS ADVERTISING AGENCY,
MONTREAL.

SPORTSMEN

NOTE

THE ABBEY IMPROVED CHILLED SHOT
NEWCASTLE, ENGLAND.

Is made by a New Process, and is highly spoken of by Sportsmen and Sporting Papers. Kills at greater distance than Soft Shot. Gunmakers wishing repeat orders should load with this shot.

America's FAMOUS
Washing Machine.

Manufactured by the
Toronto Special Machinery Co.
154 Spadina Ave., Toronto, Ont.

This is the only Practical Washer on the market. Actual trials have proved that it will wash cleaner, more easily and quickly, with less wear on the clothes, than any other machine in use. SEND FOR PRICES AND TERMS TO DEALERS.

STOVE BOLTS
TIRE BOLTS
RIVETS

WRITE FOR PRICES.

CHALCRAFT
SCREW CO.
BRANTFORD, ONT.

Going
to
Lose
Him?

You worked hard enough to get the trade of that painter—are you going to run an easy chance of losing him now? If your competitor keeps Boeckhs' Patent Bridled Brush and you don't, where is that painter going to gravitate to, naturally?

Do you suppose your competitor is going to let a single chance slip to win that painter over—the painter who has paid you so many clean little profits in the past? Boeckhs' Patent Bridled Brush saves so much time and money and labor for a painter that simple friendship for you won't count when he wants this brush. "Are you going to lose him?"

Boeckhs' Bridled Brush.

Boeckh Brothers & Company, Mfrs.
Toronto, Ont.

Montreal Branch, 1 and 3 DeBresoles Street.

ENLARGING THEIR SKATE TRADE.

THE attention of the trade is drawn to the fact that Rice Lewis & Son, Limited, are putting out a more complete line of Boker's skates than they have ever done before.

Among the many new patterns, the following are attracting considerable interest with the trade.

No. 116 is a long Norwegian racer, extra

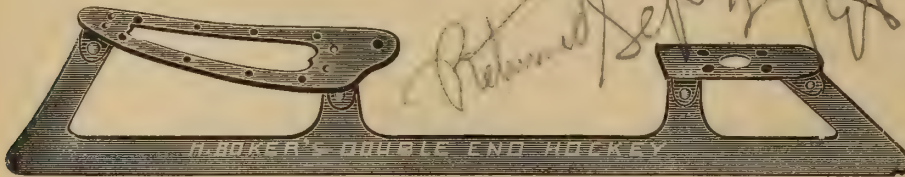


No. 116—Rice Lewis & Son, Limited.

extra quality steel runners, reinforced steel tube pattern, aluminum finish.

No. 116 B is same, only full nickel-plated and full polished.

No. 597 is a double end hockey, extra extra quality welded and tempered steel



No. 597—Rice Lewis & Son, Limited.

runners, straight, full nickel-plated and polished, with improved pattern top plates.

No. 636 is their Majestic hockey, extra extra quality welded and tempered steel runners, straight, with puck stopper, with improved pattern black rust-proof steel top plates (right and left) and patented cup brackets.

No. 536 is their Imperial hockey, extra extra quality welded and steel runners, straight, fine finish, improved pattern black rust-proof steel top plates (right and left), with patented cup brackets.

No. 537 is their Imperial hockey, extra extra quality, straight, full nickel-plated and polished, improved pattern top plates (right and left), with patented cup brackets.

TIN MINING IN NEW SOUTH WALES.

Tin mining in New South Wales continues on the down grade. Competition with the Straits mines, which pay their men in depreciated currency, is gradually killing the Australian industry. In 1881, the output was valued at £568,795. Since then it has dwindled year by year, till in 1897 it was less than one-tenth of that amount, being only £49,000. There is abundance of known tin country still unworked, but at the present price of the metal it will have to remain in a state of nature until, what is hardly likely, the Malay miners can successfully demand the same wages as are paid to

Australians, or, on the other hand, till Australian wages sink to the same level, allowing for the superior efficiency of the miners, as those paid to the Malays—Australian Mining Standard.

SCARCITY OF TIN.

The fact that tin, of all the metals in common use, is only sparingly distributed throughout the world, is again called attention to by an Australian geologist, Mr. B.

J. Stertchley, who has published a monograph upon the subject, says Scientific American. While the known goldfields of the world cover more than 1,500,000 square miles, the tinfields have an area of less than 12,500 square miles. Thus for every square

mile of tin ground, there are 132 square miles of gold bearing country. There are seven tin districts in Europe, producing about 8,300 tons yearly, of which the Cornish mines yield about 8,000 tons. Asia has two tin areas—Hunan, in China, estim-



No. 636—Rice Lewis & Son, Limited.

ated by some of the best authorities to produce 10,000 to 20,000 tons a year, but proved by official figures to yield less than 2,500 tons, and the Straits Settlements, and adjacent principalities, yielding 58,000 tons yearly, the richest yield in the world.



No. 536—Rice Lewis & Son, Limited.

Africa has no known tin mine; North America no payable one; South America, only one tin area, Bolivia and Peru, yielding less than 4,000 tons a year, and Australasia, the youngest, contributes about 6,000 tons a year.

ALUMINUM FOR HORSESHOES.

Aluminum is now being used in the manufacture of bicycles, and military authorities have for some time past made an effort to employ this metal in place of iron, copper, and steel for all articles of equipment carried by infantry, in order to reduce the weight as much as possible. With the same object, the Russian Minister of War has ordered aluminum horseshoes for the cavalry. The first trial is now being made by the Finland dragoons, and the horses are shod as follows: A shoe of the new aluminum model is placed on one foot, the three remaining shoes being of the kind now in use. The trial, which has already lasted six weeks, seems to be satisfactory, as the aluminum wears out less rapidly and is less affected by mud and moisture than the ordinary shoe. The difference in weight is about seventy grams (2½ ounces) on each shoe. The cost is not greater at present, and will be less as soon as the system of manufacturing the new shoes shall have been perfected. — United States Commercial Agent at Roubaix, France.

THE DISCOVERER OF ALUMINUM.

The first discoverer of aluminum, remarks an exchange, had the reward of genius. Pliny tells us that in the reign of Tiberius (41 B.C. to 37 A.D.), a worker in metals presented a beautiful metal cup resembling silver, but lighter, to the Emperor, who questioned him, and learned that he had extracted the new metal from clay. The secret, he said, was known but to himself and the gods. The sage Tiberius,

reflecting that if this metal could be made from earth it would lower the price of silver and gold, decapitated the artificer in order that his secret might remain with the gods, and so deprived the world of a most useful metal for eighteen centuries.

C. P. Geary, of St. Thomas, has disposed of his oil business to The Imperial Oil Co., Limited, of Petrolea, the deal having been completed on Friday with I. Waterman, representing the company. Mr. Geary will continue to manage the business.—St. Thomas Journal.

Window Glass



We have a large, well assorted stock.

Sanderson Percy & Co., - Toronto

ESTABLISHED OVER 100 YEARS.

JOHN PEACE & SONS, ALGOMA WORKS, **Sheffield, England**

Manufacturers of Steel, Files and Rasps, Hammers, Picks, Spades, Shovels and Forks, Chisels, Vises, Saws, Cutlery and Shoe Makers' Tools, Silver and Silver-Plated Goods in newest designs.

Orders given to our Agent, or sent direct to Sheffield will receive prompt attention. Our Canadian representative carries samples of all the above lines. We solicit enquiries for every description of British Goods.

Agent for Canada **John H. Peace, 73 Palmerston Avenue, Toronto.**

H. BOKER & CO'S

"KING CUTTER" RAZORS



Ground by one man only. The King of all Grinders.

— ALSO —

"King Cutter" Scissors, Knives, etc.

NAME AND TRADE MARK REGISTERED.

IMITATORS WILL BE PROSECUTED.

For Sale by all first-class Wholesale Hardware Houses.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Sept. 16, 1898.

HARDWARE.

THE hardware situation has been a fairly interesting one during the past week, and the general volume of business has been satisfactory on the whole. A fair enquiry has been experienced for cut and wire nails, the latter, however, still ruling unsettled as to value. Horse nails and horseshoes have met a fair request, and the same can be said of screws, bolts, rivets, etc., and other similar packet goods. Wire, on the other hand, has ruled quiet, and demand has been of an inactive character also for cordage, belting, hinges, spades and shovels, building paper, etc.

BARB WIRE—Rules much the same, with values unchanged, on the basis of \$2 f.o.b. Montreal.

PLAIN WIRE—Discounts unchanged and trade of an inactive character, oiled and annealed 40 per cent. and galvanized 35 per cent.

WIRE NAILS—There is a fair enquiry in a small way, while prices vary according to

the size of the order, from \$1.75 to \$1.80 per keg f.o.b. Montreal.

CUT NAILS—There is only a quiet demand for these, the base price being \$1.75 per keg f.o.b. Montreal, with the usual rebate to the trade of 5c. per keg.

HORSE NAILS—There is a quiet trade doing with discounts 50 per cent. on standard and 50 and 20 on Acadia.

HORSESHOES—There has been a moderate enquiry for these. We quote: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35.

SCREWS—Trade quiet and values unchanged. Discounts are: Flat head bright, 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—Demand for these is fair. Discounts are: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65

and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS—There is a steady trade in these. Discounts are: Iron, black and tinned, all sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Business in rope has not been very active. We quote: Sisal, 7-16 and up, 10½c.; ¾, 11c.; 5-16 and ¼, 11½c., and 3-16, 12c.; manilla, 7-16, 12¾c.; ¾, 13¼c.; 5-16 and ¼, 13¾c., and 3-16, 14¼c.

CLOTHES WRINGERS—Demand is fair and values steady at \$29.

BELTING—In fair enquiry at steady prices.

HINGES—There is a steady trade in these. We quote as follows: 6 to 12 inch, \$3.15 per 100 lb.; 14 inch, \$2.35; T and strap, 70 and 10 per cent., and screen door, \$6.50 per gross pair.

SPADES AND SHOVELS—Discounts are unchanged at 40 and 10, while the demand is moderately active for special sorts, such as grain scoops.

BUILDING PAPER—Trade is quiet in this

LONDON, ONT., August 31, 1898.

WE WRITE OUR CUSTOMERS to make our offices their headquarters during the Toronto and London Fairs.

Our District Travellers will be on hand to assist entertain you and provide any information you may require.

We have the largest plant in Canada for the manufacture of goods and materials for the STOVE, TIN AND FURNACE TRADES.

*IF YOU WANT YOUR GOODS QUICK,
ORDER FROM McCLARY'S*

THE McCLARY MANUFACTURING CO.

London, Toronto, Montreal, Winnipeg and Vancouver.

APOLLO BEST BLOOM
GALVANIZED IRON.

What is the standard galvanized iron?

Apollo.

Apollo Iron and Steel Company
Vandergrift Building
Pittsburgh, Pennsylvania.

Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

ROLLING MILLS

.. MONTREAL

MERCHANT BAR IRON—

	BRAND
Best Refined Bar Iron	AVB
" " Rivet Iron	AVB
" " Horseshoe Iron	
Ex. Best " Bar Iron	AXB
" " Rivet Iron	AXB
" " Stay Bolt Iron	AXB
" " Hammered Iron	AHB
" " Charcoal Iron	ACB

Tyre, Sleigh Shoe,
Axe and Rivet STEEL.

CANADA IRON FURNACE CO.,

Manufacturers of Limited.

CHARCOAL Pig IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

line. We quote: "Good 'Luck'" fibre, tarred, 45c.; dried, 35c.; "Shield" brand, sheathing, tarred, 27c.; dried, 22c.; "Dominion" brand, tarred roofing felt, \$1.10.

BINDER TWINE—Demand is quiet at the decline, and we quote mixed at 10 to 11c., and pure manilla, 12c.

CEMENT—There is a fair demand for cement at the rise. We quote as follows: Belgian, \$1.85 to \$2.05; German, \$2.35 to \$2.50, and English, \$2.25 to \$2.35, with domestic \$1.95 to \$2.

FIREBRICKS—A fair enquiry is noted for these at \$16 to \$21 per 1,000, as to brand.

METALS.

The heavy iron and metal market generally is firm. Galvanized iron, and all kinds of roofing material continues in good demand. Iron pipe is firm at the recent advance. Lead is easy, but no lower. Prices for sheet steel, iron and steel plates, are all firmly held at the advance.

PIG IRON—Only a few small lots moving. We quote: No. 1 Hamilton, \$15 to \$15.50; No. 2, \$14.50; Ferrona, \$14.50 to \$15; Siemens, \$14.50 to \$15, and Summerlee and equal brands, \$17, ex wharf, and \$18 to \$18.50 ex yard.

BAR IRON—There has been a fair enquiry for this line at \$1.45 to \$1.50.

HOOPS AND BANDS—A small but steady movement is noted at \$1.75 to \$2.

SHEET STEEL—Firmly held, with a fair demand. We quote: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON—There is a fair demand for sheet iron and values are steady. We quote as follows: \$2.15 on 10 to 16 gauge; \$2 on 18 to 20 gauge; \$2.10 on 22 to 24 gauge; \$2.20 on 26 gauge, and \$2.25 on 28 gauge.

GALVANIZED IRON—Prices firmly held under a good enquiry. We quote: "Queen's Head," No. 28, \$4.10 to \$4.15, and "Comet," \$3.75.

INGOT COPPER—In fair enquiry and steady at 13c.

SHEET COPPER—There is a strong feeling in this line, while demand is improving. We quote as follows: 16-oz. at 16c., and 14-oz. at 17c.; tinned copper, 16-oz., 18c., and 14-oz., 18½c.

IRON TIN—In fair request, and firmly held. We quote: "Straits" 18c., and "Lamb" and "Flag" 18½c.

PIG LEAD—Unchanged from last week, though the feeling is easy at \$3.80.

IRON PIPE—There is no active demand, the mills being rushed with orders. Values are firm. We quote as follows: Black pipe, ¼-inch and ¾-inch, \$1.95; ½-inch, \$2.20; ¾-inch, \$2.60; 1-inch,

A. C. LESLIE & CO.

IRON, STEEL and METALS

Sanderson's Cast Steel,
"Gautier" Merchant Steel,
Barbed and Smooth Fencing Wire,
Tin, Terne, and Canada Plates,
Iron and Steel Plates and Sheets,
Coil Chain, Poultry Netting, Etc.

515 Board of Trade Building
MONTREAL

"GREENING'S

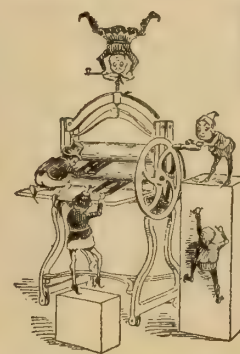
Cow Ties."

These Cow Ties have stood the test for years. Undoubtedly the best and strongest on the market.

It will pay to handle only the best. A complete line of all sizes ready for shipment. For sale by all jobbers.

The B. Greening Wire Co.
LIMITED

MONTREAL AND HAMILTON.



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited
Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

\$3.60; 1¼-inch, \$4.75; 1½-inch, \$6.15, and 2-inch, \$8.25. Galvanized, ½-inch, \$3.75; ¾-inch, \$4.50; 1-inch, \$6.30; 1¼-inch, \$8.65; 1½-inch, \$11, and 2-inch, \$15.

LEAD PIPE—Unchanged, at 7c. for ordinary lead and 7½c. for composition waste, with 25 per cent. discount.

CANADA PLATES—There is a good movement from stock, and also for importation. No quotable change is noted, though prices have a somewhat easier feeling. We quote: 52's, \$2.15 to \$2.20; 60's \$2.30, and 75's \$2.40 to \$2.45. Full polished, \$3.

TIN PLATE—In fair demand and prices steady. We quote as follows: Coke, I. C., \$2.90 to \$3.25; charcoal, I. C., Allaway or Comet brands, \$3.25; do, I. X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I. C., \$3.95; do, I. X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Demand fair and values stiff at \$6 to \$6.25.

COIL CHAIN—Quiet and unchanged. We quote as follows: ¼-inch, \$5; 5-16, \$3.50; ¾, \$3.25; 7-16, \$3.15; ½-inch, \$3, and ⅝ up, \$2.85.

SHEET ZINC—There is a fair demand for this article at 5¼ to 6c.

SOLDER—Unchanged.

ANTIMONY—Business in cask lots has been fair at 9½c.

SPELTER—Steady and unchanged at \$5.40 to \$5.50.

GLASS.

Advices from Belgium have been very strong, and note a further advance of fully nine points, but no actual change has taken place on spot yet, owing to the fact that one dealer will not agree to a rise in values. We quote: First break, \$1.50; second, \$1.60 per 50 feet; first break per 100 feet, \$2.80; second, \$3; third, \$3.30; fourth, \$3.50; fifth, \$3.70; sixth, \$4.25, and seventh, \$4.75.

PAINTS AND OILS.

Demand for paints and oils has not been particularly active during the past week, but once the different fairs are over, it is believed that the fall movement will assume its full proportions. There have been no further changes in values, the advance in turpentine, noted last week, being fully maintained, while linseed has been in moderate request.

WHITE LEAD—Best brands, Government standard, \$5.62½; No. 1, \$5.25; No. 2, \$4.87½; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4½c.; kegs, 4¾c.; No. 1, casks, 4¼c.; kegs, 4½c.

WHITE ZINC PAINT—Pure, 6½c.; No. 1, 5¾c.; No. 2, 5c.

PUTTY—We quote: Bulk, \$1.65; blad-

der in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 48c.; boiled, 51c., five-barrel lots one cent less net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 47c.; large lots, 1c. less, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8¼ to 8½c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4½ to 5½c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

There has been no further change in hides and the excitement in lambskins has subsided somewhat. We quote: Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3., 7c. Lambskins are steady at 65 to 70c.

MONTREAL NOTES.

The advance in turpentine is firmly maintained.

Three large cargo lots of foreign cement are expected to arrive before the end of the week.

Advices from Belgium note another advance, of nine points, in the price of window glass.

ONTARIO MARKETS.

TORONTO, Sept. 16, 1898.

HARDWARE.

TRADe continues on the whole in a satisfactory condition. A nice business is opening up in mechanics' and builders' hardware and such forward goods askates, sleigh bells, etc. A fair quantity of cutlery for the season is going out, and the same may be said with regard to sporting goods. Enquiries as to price of hay-baling wire are coming in freely, but the wire trade generally is quiet. Wire nails are moving fairly well, but prices are unsatisfactory. A little better demand is to be noted for horse nails. Rope is still quiet, although the demand is a little better than it was a week ago. The week has been uneventful as far as any change in prices is concerned. Payments are fair.

BARB WIRE—There is practically nothing doing. The market in the United States is quiet, but it is also firm, an advance of 5c. being made in the painted description. We quote: Four point, \$1.85 f.o.b. Toronto and London, and two point at \$1.90. Terms, 30 days or 2 per cent 10 days. The price f.o.b. Cleveland is \$1.75.

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

**JOHN FORMAN, 650 Craig Street
MONTREAL**

Portland Cements

Best German, English and Belgian Brands

**Calcined Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Con-
tractors' Supplies.**

Largest Stocks. Lowest Prices.
Send for Quotations.

**W. McNALLY & CO.
MONTREAL.**

HEADQUARTERS for BOILERS

Galvanized Range Boilers

"Reliance" } HIGH-CLASS
"Ronald's" } AMERICAN
BOILERS.

Copper Boilers

Radiators, Iron Pipe, Fittings

WRITE FOR PRICES.

♦♦♦♦

**ONTARIO LEAD AND
WIRE CO., Limited**

TORONTO

WAREHOUSE,

55, 57, 59 Richmond St. East.

OFFICE, 54, 56 Lombard St.

Telephones 1092, 763.

We are the Oldest and Largest Manufacturers of

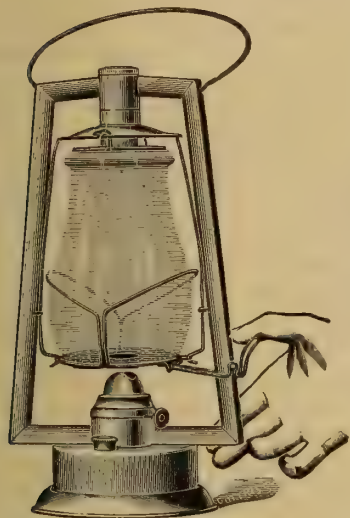
SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The...

John Morrow Machine Screw Co.
Ingersoll - Ontario.

WRIGHT'S "C" LIFT Lanterns



MANUFACTURED BY
E. T. WRIGHT & CO.
Hamilton, Canada

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Economy

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Eastlake Steel Shingles.



THEY LAST INDEFINITELY.

For many years these shingles have been in popular use in Canada, standing the test of all kinds of severe weather—everywhere giving complete satisfaction.

Are you prepared to provide your customers with this durable, rust, fire and lightning-proof roof covering?

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Headquarters for SMOKELESS POWDERS

BLUE RIBBON HAZARD

SCHULTZE HARD GRAIN

GOLD DUST

Also full line new Guns, Sporting Goods, Etc.

LARGE STOCK

PROMPT SHIPMENT

CLOSE PRICES

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**Dominion
Wire
Manufacturing
Company,
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Iron, Steel,
Brass and
Copper ..

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WIRE NAILS and WOOD SCREWS
BRIGHT WIRE GOODS

STEEL and BRASS JACK CHAIN

"CRESCENT" COAT and HAT HOOKS

Ask for "Dominion" Goods.

Guaranteed and
SECOND TO NONE

ORDINARY FENCE WIRE, ETC.—There is nothing doing in ordinary fence wire. In hay-baling wire there is a little better demand, and enquiries for prices are coming in freely. Discounts are: Annealed, oiled and annealed, 35 per cent.; galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 35 per cent.

WIRE NAILS—Quite a few orders have been received, but they are for small lots as a rule. The price is still low, the base being quoted at from \$1.75 to \$1.80, Toronto.

CUT NAILS—Business is much about the same as a week ago. Base price \$1.75 Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—Trade is a little better than last week. Quite a number of the cheaper kind are moving. Discounts are: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—The improvement noted last week has continued. The demand is, however, principally for the light iron shoes. We quote: Iron shoes, light, medium, and heavy, \$3.25 f. o. b. Toronto, Hamilton, London, Guelph St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—A fair business is being done at steady prices. Discounts are as follows: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—A fair movement is still to be noted. We quote: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¾c.; hexagon, 5¼c.

RIVETS AND BURRS—There is no change since last week, a fair trade still being done. We quote: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—The demand for sisal and manilla is a little better than it was, and quite an improvement is to be noted in business in plough line rope. We quote as follows: Sisal, 7-16 in. and larger, 10½c.; ¾ in., 11c.; ¼ and 5-16 in., 11½c.; Manilla,

7-16 in. and larger, 13c.; ¾ in., 13½c.; ¼ and 5-16 in., 14c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—Business is good, but the scarcity noted last week still exists. A better supply is, however, expected in a few days. We quote: Rope halters, ¾ in., \$8.25 to \$8.50 per gross; ½ in., \$9.25 to \$9.50; ⅝ in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—There is virtually nothing doing. We quote discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—A slight improvement in the demand is to be noted. We quote: "New Leader" "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BELTING—Nothing new to note. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

HINGES—A steady trade is still being done. We quote: 6 to 12 inch, inclusive, at \$3.15 per 100 lb., and 14-inch and upwards at \$2.35; light T and strap, 70 and 10 per cent.; screen door hinges, \$6.50 per gross pair.

SPADES, SHOVELS AND GRAIN SCOOPS—A few shovels are going out. Shipments of grain scoops are in transit, and it is expected that in a few days orders will be filled without difficulty. Discount 40 and 10 to 45 and 2½ per cent.

BUILDING PAPER—Scarcely anything doing. We quote as follows: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred; Northumberland plain, 30c.; ditto, tarred, 40c.; ditto, saturated, \$1.50 per 100 lb.; asbestos paper, 6½c. per lb.

SPORTING GOODS—While the demand for guns and rifles is not as brisk as it was, a fair trade is still being done in ammunition.

CUTLERY—A fair trade is being done, although it is not, perhaps, as active as it was a week ago when so many country customers were in the city.

CEMENT—The demand for Canadian Portland is so great that the two manufacturing companies report their inability to

supply it. The sale of imported cement is also brisk. We quote in barrel lots: Canadian Portland, \$2.70 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.35 to \$2.50; Canadian hydraulic cements, \$1.00 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

METALS.

Quotations on American pig iron are higher, and metals, generally, are steady in price.

PIG IRON—The market is steadily stiffening. Recent advices report an advance of 25c. per ton for Lake Superior and Northern American. Many of the large smelters report that they are sold out for months ahead. We quote as follows: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80. Hamilton iron, No. 1, in 100-ton lots, \$14, on track Toronto.

BAR IRON—The slight improvement noted a week ago has been maintained. We quote base price \$1.45 to \$1.55 from stock, and \$1.35 to \$1.45 from factory.

HOOP AND BAND IRON—A fair trade has been done during the past week, and jobbers have been compelled to advance prices on special gauges of hoop iron. The base figures, however, remain as before. We quote: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—The demand is fair, both for the No. 1 and No. 2 qualities. We quote as follows: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Business is fair. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Stocks have been replenished since last week, and orders for 28 gauge can now be readily filled, in either English or United States make. We quote: Queen's Head (case lots), 16 gauge, 3¾c.; 18 to 24, \$3.87½c.; 26, 4¼c.; W. G. 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, \$4; 26 gauge, \$3.75; 22 to 24 gauge, \$3.50. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are ¼c. per lb. higher than figures named.

INGOT COPPER—Virtually nothing doing. We quote: 12¼c. for quantities and 13c. for small lots.

INGOT TIN—Has been quieter than for some time, but there is no change in price. We quote: Straits, 18½c. per lb.; Lamb and Flag, 19c. per lb.

SHEATHING COPPER, ETC.—Business continues fair in braziers' and roofers' copper. We quote: Sheathing copper, 15½ to 16½c., according to weight and quantity; braziers', 15½ to 17½c. per lb., according to gauge.

PIG LEAD—Trade is steady, but without special feature. We quote as follows: 4 to 4¼c. for imported and 3½c. for domestic.

IRON PIPE—Quite a number of shipments have been made during the week. Prices are unchanged at last week's advance. We quote: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.10; ½ inch, \$2.20 to \$2.30; ¾ inch, \$2.65 to \$2.75; 1 inch, \$3.65 to \$3.80; 1¼ inch, \$4.85 to \$5.05; 1½ inch, \$6.30 to \$6.60; 2 inch, \$8.50 to \$8.75. Galvanized, ½ inch, \$3.87½; ¾ inch, \$4.75; 1 inch, \$6.75; 1¼ inch, \$9; 1½ inch, \$11.50; 2 inch, \$15.12½.

RANGE BOILERS—Business is still moderate. We quote: Galvanized, 30 gals. \$5.25 to \$5.50; 35 gal., \$6.25 to \$6.50; 40 gal., \$7.25 to \$7.50; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 percent.

CANADA PLATES Shipments from stock are improving on country account, and city dealers are taking out requirements against orders booked some time ago. Quotations are: Half-polished, 52-sheet boxes, \$2.35; ditto, 60-sheet boxes, \$2.40; dull, 75-sheet boxes, \$2.50; ditto, "Alaska," \$3.

TINPLATES—Trade is slightly better at firm prices. We quote: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

COIL CHAIN—Business is just moderate. We quote: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ⅝ in., \$2.80; ¾ in., \$2.75.

TINNED IRON—Not much doing. We quote: In case lots for 22 to 24 gauge, and 2¼c. in lesser quantities; cut to size, 24 gauge, case lots, 4¼c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6¼c. for small lots.

SHEET ZINC—There has been very little doing during the past week. Cask lots 6c. per lb. and small quantities 6¼c.

SOLDER—Business is fair. Strictly half-and-half, 12½c.; small lots, 13c.; standard, 11½ to 12c. per lb.

ANTIMONY—Quiet. We quote: Cookson's, cask lots, 10½c.; smaller quantities, 11c.; other makes, 8½ to 9c.

76,800 Daily Production.
5 Factories.
5 Brands.

For Sale all over the world.

NICHOLSON
FILES

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited.

Established 1773.

Manufacturers of **POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS.** Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass," St. Helens. Telephone No. 68 St. Helens.

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BARCLAY'S PATENT "TRIUMPH" Adjustable Stove Pipe

Can be put up by the most inexperienced.
So constructed that when taken down can be nested and stored in small compass.

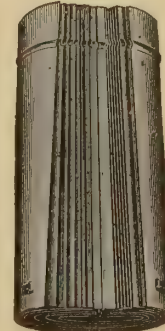
Manufactured by

G. B. BARCLAY

168 Adelaide St. W.

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NESTED.



In Crates of 25.

...BRUSHES...

Now is the time to get prices for fall stock of



DANDY BRUSHES
HORSE BRUSHES, Leather Backs
HORSE BRUSHES, Wood Backs
STOVE BRUSHES

Write us for prices and samples, or wait for our travellers.

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TRUE BRAND CUTLERY.

Gives universal satisfaction. Every blade stamped with our name or trade mark we guarantee to be made of the best steel.

E. F. WALTER & CO.
MONTREAL

ZINC SPELTER—Quiet. We quote 5½c. for ton lots and 5½c. for small quantities.

PAINTS AND OILS.

The travelers of paint and oil houses started out on Monday, and are doing a nice fall trade. There is a general business being done, a good demand being experienced for dry colors, lead, linseed oil and varnishes. Turpentine is not active. The advance anticipated in these columns last week, has taken place, a rise of 2c. resulting. The market is stiff on this advance, and this may be followed by another. White lead is firm at unchanged prices, and likely to continue so. We quote :

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 bs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—5½c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 49c.; boiled, 1 to 4 barrels, 52c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 48c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

There is a good business being done. Stocks are plentiful. As, on the present basis of cost, the jobbing trade could not

secure glass to sell at the present price, an advance is not unlikely in the near future. We quote: First break in 50-foot boxes, \$1.60, and in 100-foot boxes, \$3; double diamond, under 25 united inches, \$4.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL

There is a good demand. Prices are firm. We quote: Agricultural scrap, 47½c. per cwt.; machinery cast, 55c. per cwt.; stove cast scrap, 32c.; No. 1 wrought scrap, 40 to 50c. per 100 lb.; No. 2, including sheet iron and hoop iron, 10½c.; new light scrap copper, 7¼c. per lb.; bottoms, 7c.; heavy copper, 7½ to 8c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2c.; scrap rubber, 3½ to 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—A decline of ¼c. is noted this week. We quote: No. 1, 8½c.; No. 2, 7½c.; No. 3, 6½c.; cured, 9¼c.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Shearlings and lambskins are firm at 60c.

WOOL—There is not much doing. Prices are unchanged at 10c. for unwashed and 16c. for fleece.

SEEDS.

There is not much movement reported. Alsike is dull and unchanged at from \$2.50 to \$4, except for extra fancy stock, which is worth slightly more. No quotations for timothy are obtainable.

PETROLEUM.

The demand is good. Prices are firm and unchanged. We quote at Toronto: Canadian, 13½c.; Sarnia water white, 15c.; American water white, 16½c.; Pratt's astral, 16c., in bulk.

COAL.

Cars are still scarce, creating difficulty in filling orders. The demand is good. Prices are firm. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

MARKET NOTES.

Turpentine has advanced 2c. per gallon. Bertram & Wilson report that trade in lumbering supplies has been good during the past week.

H. S. Howland, Sons & Co. report a good demand for Elliot's cutlery; also a good trade in Northumberland building paper and roofing felts.

The Gurney Foundry Co., Limited, Toronto, is exceedingly busy. Among the contracts recently secured, are two No. 8 Oxford boilers for the Horticultural Pavilion, and for the radiation of the new warehouse for Boisseau & Co., on Yonge street. For this, two carloads, or over 5,000 feet of radiators will be used.

MANITOBA MARKETS.

WINNIPEG, Sept. 14, 1898.

TRADE is comparatively quiet, though steady, with a very fair volume of business.

Mr. Beuhler, of J. H. Ashdown's, has returned from a trip as far west as Moose Jaw, and reports that hardware merchants in all the small and large towns between Winnipeg and that point are in excellent spirits, and are preparing for a very heavy fall trade. Indications point to the largest fall trade that has ever been done in the west in this particular line.

At present, the only active demand is for threshing machines and fittings for same. A week of bad weather delayed threshing considerably, but now the weather is perfect, and threshing is being pushed as rapidly as possible.

There is great activity in glass this week, many of the new buildings having reached the stage where that article is needed. Prices continue very low compared with those in the east, and have never been advanced in sympathy with the advance there some time ago.

Sporting goods are moving freely, guns, loaded shells, powder and shot being all in brisk demand.

Retail hardwaremen continue to report inquiries for stoves and winter supplies of that kind, though there is little active purchasing at present.

Fall house-cleaning is in full swing and house decorators and paperhangers are extremely busy, and there is a good trade in paints and supplies of that kind.

Linseed oil is now quoted at 55c. for raw and 58c. for boiled. No change of price is reported in any other line.

Geo. D. Wood & Co. are just moving into their large new warehouse.

A BRANCH IN MONTREAL.

Sisson Bros. & Co., of Hull, Eng., are starting a branch in Montreal, where they will manufacture a full line of paints and varnishes, with particular attention paid to their sanitary washing paints. C. R. McDowel has been appointed manager of the Canadian department.

HAS ARRANGED FOR 1899 BICYCLES.

Mr. J. H. Bertram, of Bertram & Wilson, wholesale hardware and bicycle dealers, Toronto, has just returned from a tour of some of the leading bicycle factories in Chicago. The arrangements he has made for the season of 1899 are most satisfactory, he reports, and, about Oct. 1, his firm will issue catalogues and prices. Bertram & Wilson's agencies cover Ontario, Quebec, New Brunswick, Nova Scotia and Prince Edward Island, and all this territory will be visited by their travelers, when something special will be offered the trade, in both prices and quality.

Bertram & Wilson did a large business, in bicycles, the past season, but, large as it was, they expect next year to double it.

CATALOGUES, BOOKLETS, ETC.

A SEASONABLE HARDWARE CATALOGUE.

H. S. HOWLAND, SONS & Co. have just distributed, among the retail hardware trade of the country, their fall and winter catalogue. It contains, within its 124 pages, something like 2,000 illustrations of goods suitable for the next two or three months. The firm is in receipt of many letters from the trade, tendering congratulations upon the arrangement and usefulness of the catalogue. "It is, without exception, the handiest and best of all issued," writes one recipient. Those members of the trade who have not yet received a copy will be forwarded one on application.

BUILDERS' HARDWARE CATALOGUE.

The first impression created by the 1898 builders' catalogue, issued by the Gurney-Tilden Co., Limited, Hamilton, Ont., is that its binding is so neat and attractive that it is worthy of a place on the shelves of any library. But few of these volumes will ever reach such a place, for closer examination reveals the fact that the book is what it was intended to be, even more useful than ornamental. Every hardware merchant, or any retailer who carries hardware, should secure

a copy. It contains hundreds of illustrated descriptions of the goods made by this company: Locks, night latches, door sets, knobs, escutcheons, push plates, letter-box plates, electric bell pushes and pulls, butts, sash fasts, pulleys and lifts, window fasteners, drawer pulls, coat hooks, hinges, rotary door bells, etc. Accompanying the book, the price list is printed under separate covers, so that, while the illustrations, etc., of the goods may be shown, the price list will be for the private use of the retailer.

PERSONAL MENTION.

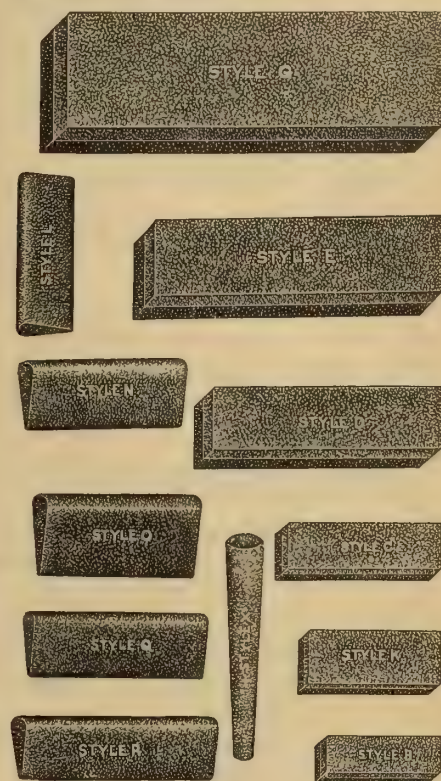
Mr. Dorrach, of Kensington, P.E.I., representing the firm of Reuben Tumplin & Co., when in Montreal gave HARDWARE AND METAL a friendly call last week, and spoke encouragingly of the fall trade prospects as being brighter than previous years on the Island.

Mr. R. A. Baines, Scott street, Toronto, is in New York this week on business.

Mr. C. G. Knott, manager of the Toronto branch of the Canada Screw Co., is holidaying in New York State.

GENTLEMAN REPRESENTING HIGH-CLASS Hardware firms in the Dominion of Canada and Newfoundland, and having central offices at Toronto desires additional agencies. Highest references given. Will be pleased to correspond on the matter. Address, J. LISTER NICHOLS, 9½ Adelaide Street East, TORONTO. (39)

EMERY OILSTONES and ... SLIPS



COOKE HARDWARE CO., Hamilton.



"STAUNTON" Wall Papers

Our travellers are making selling records—proof that our Season 1898-99 Samples are right popular patterns, from the lowest to the highest grade, and that prices are no barrier to big business.

✿ Visiting Buyers ✿

Are heartily welcomed to visit the factory—pleased to show you through—and get acquainted—take Yonge St. car.

EXTRACT—from a letter received recently from one of our customers—
"Your paper was the best I ever had at the money, and I shall, when the time comes around, call on you for a fresh supply."

M. Staunton & Co.
MANUFACTURERS
TORONTO

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

W W. GORDON, planing miller, Glencoe, Ont., has assigned to C. B. Armstrong, London, and a meeting of his creditors will be held on the 19th inst.

S. Siggins, wagonmaker, Woodstock, Ont., has assigned.

Thomas Elliott, general merchant, Fairview, B.C., has assigned.

P. Gelinas, general merchant, Grand Mere, Que., is offering 40c. on the dollar.

W. W. Hoffman, general merchant, Seaford, Ont., has assigned to S. A. Ferguson, Toronto.

Rennie Bros., general merchants, Newton, Ont., have assigned to C. B. Armstrong, London.

Kent & Turcotte have been appointed curators of A. R. Dionne, general merchant, Fraserville, Que.

Andre Carriere, general merchant, St. Eugene De Prescott, Que., has compromised at 30c. on the dollar.

PARTNERSHIPS FORMED AND DISSOLVED.

Lajuenesse & Frere have commenced partnership as hardware dealers, Quebec.

Patenaude & Trahan, general merchants, St. Joachim de Shefford, Que., have dissolved.

Partnership has been registered by J. C. McFarlane & Co., as commission merchants in Montreal.

Albert Lafontaine and Chas. E. Menard have registered partnership as coal and wood dealers in Montreal.

Wm. J. Cameron, general merchant, Port Elgin, Ont., has admitted J. M. Chisholm as partner, under the style of Cameron & Chisholm.

Henry Kidd and Gilbert Beattie have registered partnership under the style of Kidd & Beattie, general merchants, Asbestos, Que.

James Hutton & Co., railway supply dealers, Montreal, have registered dissolution, and Geo. J. Crowdy and Henry W. De Courtenay have registered as proprietors under the old style.

SALES MADE AND PENDING.

J. P. Sirois, general merchant, Cacouna, Que., is advertising his business for sale.

J. K. McLean, general merchant, Teeswater, Ont., has sold out.

CHANGES.

John Gladdon, blacksmith, Rodney, Ont., has retired from business.

Winram Bros., implement dealers, Manitou, Man, have sold out to — Ross.

Mrs. R. V. Myles, general merchant, Elsinore, Ont., is giving up business.

Wm. Laidlaw, general merchant, Durham

and Allan Park, Ont., has sold his Allan Park branch to J. C. Mossington.

Fred. Campbell, general merchant, Birr, Ont., has been succeeded by Wm. Knappton.

Ellen McLean, general merchant, Underwood, Ont., has sold out to J. G. McBeath.

R. B. Davey, hardware dealer, Kincardine, Ont., has sold out to Gentles & Elliott.

The Virginia Mining Co., of Ontario, Limited, Rat Portage, Ont., has been incorporated.

The Best Wire Fence Co., of Ontario, Limited, Windsor, Ont., has been incorporated.

FIRES.

Powers & Lequime, sawmillers, Midway, B.C., have been burned out; uninsured.

John Finnegan & Son, carriage dealers, etc., Belleville, Ont., have suffered damage by fire.

John Weatherill, coal and wood dealer, etc., Toronto Junction, Ont., has suffered loss by fire.

A portion of the lumber yards of King Bros., Limited, sawmillers and lumber dealers, Quebec, have been destroyed by fire at Pabos, Quebec; insured.

The business portion of New Westminster, B.C., was destroyed by fire on the 11th inst. All general merchants and grocers, but H. Harvey, general merchant, and E. Johnston, general merchant, were burned not.

DEATHS.

Francis Kains, general merchant, Treadwell, Que., is dead.

F. H. Andrews, of F. H. Andrews & Son, oil dealers, Quebec, is dead.

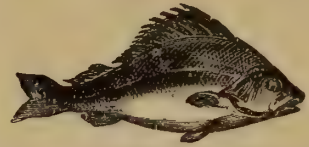
D. Maxwell, sr., of David Maxwell & Sons, manufacturers of agricultural implements, St. Mary's, Ont., is dead.

Edward A. McQuade, of P. McQuade & Son, ship chandlers, Victoria, is dead.

F. L. M. Paint, of Peter Paint & Son, general merchants, Port Hawkesbury, N.S., is dead.

HARDWARE GOING UP.

There is no surer sign of a trade improvement than advancing hardware prices. Whenever we want to ascertain if a trade revival is holding, and if there is anything behind it more than newspaper talk, it has been our custom for many years past to take a view of the hardware market, and to try and ascertain by bird's-eye observation whether hardware prices are rising. This we have just done upon the present occasion; and we have been able to ascertain that there is a distinct upward move in some branches of the hardware trade just now in the matter of prices. This is a most encouraging indication.—Hardwareman, Birmingham.

Fishing Tackle.

TRADE MARK

ALLCOCK'S STAG BRAND

goods are the best. When you buy from us you buy from the largest makers and oldest house in England. Established 1800.

The Allcock, Laight & Westwood Co., Limited

73 Bay Street, TORONTO, and
REDDITCH, ENGLAND.

Sole wholesale selling agents for THE DOMINION
HAMMOCK MANUFACTURING CO., Paris, Ont.

ADAM HOPE & CO.

30 John Street, - Hamilton

OFFER TO THE TRADE

"Hope's Old Method"**CHARCOAL TIN PLATES**

Made from Real and Pure Charcoal Iron, heavily tinned, the only reliable brand in the market.

— also —

**COKE and TERNE PLATES
CANADA PLATES**

**HALF POLISHED
ALL POLISHED**

Please write for prices, as we employ no Travellers.

**SHEET STEEL BUILDING MATERIALS**

are now being largely used for all classes of buildings, and, as these goods are bound to be an important department of every Hardware and Tin Shop in the Dominion, we take this opportunity of asking you to write us regarding prices to the Trade.

Our goods are **THE BEST** on the market, and our prices meet any competition.

**The Pedlar Metal
Roofing Co.**

OSHAWA, ONTARIO.

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

... TORONTO

Telephone 689.
Cable "Levesconte" Toronto.**VanTuyt & Fairbank**

Petrolia, Ont.

Headquarters for ..

Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.**PARIS ELECTRO PLATING CO.**

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings
Piano Stool Feet, Novelties, etc. Bicycle Work
a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.

SNAP IN PATENTS.I will sell outright or sell an interest in the manu-
facture of several useful inventions in the sheet
metal line. The articles show a good profit and
are saleable everywhere. This is a snap. Manu-
facturers make a note and write**O. A. SMITH,**

Clarkston, Mich., U.S.A.

**The Portland Rolling
Mills Co., Limited**

Manufacturers of

Refined Bar Iron

Railway Spikes

Pressed Spikes

Nails and Tacks

"Diamond" Brand Horse Shoes

ST. JOHN, N.B.

**"JARDINE"
TIRE UPSETTERS
WILL UPSET TIRES**Some machines sold as Upsetters will not.
Perhaps you make as much money on the
sale of a useless Upsetter as on a good
one, but your customer does not. He
don't want a machine because it is called
an Upsetter; he wants a machine to upset
tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

**A. B. JARDINE & CO.
HESPELER, ONT.**

The Forest King

Is the Highest Grade Axe on the Canadian market.
Lumbermen prefer it to all others.Where quality counts, no tools can compete with ours.
Specify "Warnock's."**James Warnock & Co., Galt.****Henderson & Potts**

NOVA SCOTIA PAINT AND VARNISH WORKS.

Sole Agents for the Dominion for



HALIFAX, N. S., and 747 CRAIG STREET, MONTREAL.

STEVENS RIFLES

THE FAVORITE



Send for our complete catalogue.

is made in three calibres

22, 25 and 32 Rim Fire

and is the best low-priced rifle made Highest quality of work.
Accuracy guaranteed. Weight, 4½ lbs.No. 17, Plain Sights— List \$ 8.00
No. 18, Target Sights— " 11.50
No. 19, Lyman Sights— " 12.00**J. STEVENS ARMS & TOOL CO.**For Sale by All Leading Canadian Jobbers
At Trade Discounts.P.O. Box 215, CHICOPEE FALLS,
MASS., U.S.A.

THE New White Metal Polish

"Nanon"

The Queen of Polishes.

Imparts instantaneously a dazzling and lasting

BRILLIANCYto Brass, Tin, Nickel, Zinc, Gold, Silver, etc. Free
from grit or emery, and will not scratch the finest
surface.

Samples on Application.

LAMPOUCH & McNAUGHTON

Montreal

Sole Agents for Canada.

The Canadian Mining Exhibit Co., Limited

Will give you any information in reference
to Mines or Minerals found in your district.**Assays made by their own Assayers**If you have or know of any Minerals you
do not know the value of, send Samples
to us, and we will let you know whether it
is worth anything to you.

Mining Properties Valued by Experts

**THE
CANADIAN MINING EXHIBIT CO., Limited**

650 Craig Street

... MONTREAL.

HEATING AND PLUMBING

TO COLOR SOLDER.

IN answer to a query asking if there is any way of making a solder that would have a copper color which could be run with soldering, The Metal Worker replies: "We have no knowledge of such a solder. One method sometimes employed to give solder a copper color is to prepare a saturated solution of the sulphate of copper in water, using for the purpose a glass or earthen dish. Apply some of this solution on the end of a stick or brush to the solder, when on touching it with an iron or steel wire the solder will become covered with a thin coating of copper, and by repeating the operation the deposit may be made thicker and darker. By this means a fairly substantial coating of copper may be produced so that the soldered seams on copper work will have about the same color as the copper. If on trial the coating is not satisfactory the solution is not strong enough and can be strengthened by adding a little more of the sulphate of copper, or powdered blue vitriol, as it is sometimes called."

AN EXPOSE.

Editor **HARDWARE AND METAL**,—Would you allow me space in your valuable journal, **HARDWARE AND METAL**, for the purpose of endeavoring to expose a species of fraud that is being perpetrated to a great extent at present in Montreal, to the detriment of legitimate business enterprise, from one who inserted an advertisement and was imposed upon, I presume, along with a number of others?

There are, from time to time, occasions when a programme is issued for a social gathering, picnic, demonstration or some form of amusement, when the trade are pestered by a class of advertising solicitors, who invariably prey upon an unsuspecting public by misrepresentation and fraud.

To illustrate: A few weeks ago, the masters and journeymen plumbers of Montreal held a picnic. The programme of events was bid for by a certain individual for a stated sum of money. He retained the privilege of soliciting advertisements for the programme.

This individual solicited many of the business houses in the city who handle plumbing supplies, and represented himself as being a plumber, using this method merely for the purpose of soliciting a donation to the picnic.

There are other misrepresentations, that occur from time to time, I understand, from

this class of men, such as gross misrepresentation of facts regarding circulation, etc., to meet the seeming exigencies of the case.

Where the great harm comes in this class of advertising is the deterring influence on the education of the public, as to the necessary requirements to judge legitimate methods of advertising, and classifying this from trickery of this kind. In my opinion, the only way in which permanent, lasting results are to be gained, is for the press, all along the line, to expose every fraudulent method, and lay down certain rules for the guidance of the public, so that they may look at advertising from an educated standpoint and profit thereby.

X. L.

A TIMELY SUGGESTION.

The master plumbers of Montreal are gradually becoming alive to the necessity of a by-law to remedy the existing condition of things and the various issues at stake, such as the inspection of plumbing and other important matters. One of the most enterprising members of the association lately drafted a by-law, which has been under discussion at some of their meetings lately.

The tendency of the present day is to have those in responsible business submit to proper tests of capability. The examination of plumbers has met, so far, with good results in many places, and, considering the fact that there are some who assume the knowledge of the trade without an adequate idea of the responsibilities, shows the necessity of a change. The question of a plumbers' competence is often made subordinate to that of local acquaintance, thereby holding back all the most scientific ideas of the trade through the lack of experience prevailing in some quarters.

COATING FOR METALLIC TANKS.

A new French process for coating the inside of metallic tanks or reservoirs is thus described in a foreign contemporary: The process consists in mixing intimately barium sulphates with albumen, and using the paste received for painting the metallic surfaces to be protected. The tank must first be cleaned with a soda lye, then it is painted with a priming coat, which is dried by the application of heat until hard. Then the reservoir is furnished with a second coating, which is also dried; the coat is exposed to the action of steam or boiling water, which causes the white of egg to coagulate. Finally, the whole is once more moistened with albumen, and steam or boiling water is used again. This paint is said to be extremely resisting and durable against mechanical as well as chemical agents. It adheres so firmly that it can only be scratched off by means of sharp instruments, and does not crack or scale off, even if the reservoir receives knocks and dents.

WHEN GALVANIZED IRON PIPE IS DANGEROUS.

A Manitoba subscriber of **HARDWARE AND METAL** writes asking if there is danger in using water running through galvanized iron pipes connecting with well or waterworks.

In cases where water is left in the pipes for a lengthy period the water will contain a small proportion of sulphuric acid, which, while not sufficient to cause serious trouble, is not healthy, and should be avoided. Water running through galvanized iron pipes, however, and not remaining in them is practically free from danger. It is always advisable, however, where water has been lying in a galvanized iron pipe, to pump this water out, using the water fresh from the well or waterworks.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

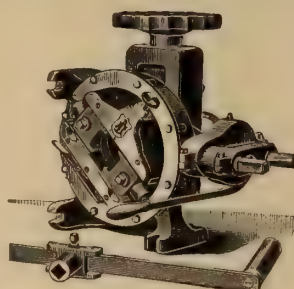
Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.

THE ARMSTRONG MFG. CO.

New York Office:
139 Centre Street

Bridgeport, Conn.



New No. 0 Threading Machine.

HEATING AND PLUMBING CONTRACTS.

R. A. L. Gray, Toronto, has the contract for the electric wiring of the new court house at St. Thomas, Ont., at \$346.

Chas. T. Bull, St. Thomas, has secured the contract for the plumbing in the additions to the St. Thomas Court House, at \$1,047.

J. A. Sadler, Montreal, has the contract for the heating of three residences on University street, being built for the estate of A. A. Adams.

Mount & Co., Montreal, have the contract for heating the residence of J. M. Fortier, on Manor street; also a number of small contracts.

Lesperance & Terriault, Montreal, have the plumbing, heating and roofing of three small cottages on Sherbrooke street, belonging to M. Deslauriers.

D. Ouimet, Montreal, has the contract for the plumbing, roofing and heating of four dwelling houses being built for the Masson estate on Tupper street.

The John Ritchie Plumbing and Heating Co., Limited, Toronto, have contracts for hot-water heating Surrey Villa, for Hart & Walker, Toronto; for plumbing in a residence on Sherbourne street, for James

Lavers; and for a residence on Jarvis street, for J. Golding.

Fiddes & Hogarth, Toronto, have contracts for hot-water heating a residence on Simcoe street; plumbing in a residence on Wellington street west; plumbing in three houses on Farley avenue, Toronto, and plumbing in a residence in Weston, Ont.

Lessard & Harris, Montreal, have the contract well under way of the plumbing, ventilating and heating of the city hall; the plumbing, heating and ventilating of the G.N.W. Telegraph office; the roofing extension for the Grey Nunnery; the roofing for the public library at Westmount; the plumbing and heating of the residence of Ald. Ouimet on Esplanade avenue; the ventilating and roofing of a large school house at Maisonneuve; the plumbing, heating and roofing of 12 private residences; the plumbing, heating and ventilation of a convent on Visitation street.

TORONTO BUILDING PERMITS.

Permits have been issued in Toronto to The Massey-Harris Co., for a machine shop, to cost \$8,000; Deaconess Home, Jarvis street, addition, to cost \$8,000; Lawrence Brothers, 40 Denison avenue, bakery addition, to cost \$5,000; J. Westcott,

dwelling, 14 Fuller street, to cost \$1,800; J. W. McMichael, dwelling, Howland avenue, near Bloor, to cost \$2,300; Mrs. Stewart, dwellings, 13 and 15 Pembroke, to cost \$2,000; Mrs. G. S. Ryerson, dwelling, north side College, near Elizabeth, to cost \$6,000; Mrs. A. Harvey, residence, Sunnyside avenue, to cost \$700; T. Smith, residence, 99 Cherry street, to cost \$700; Elmsley Estate, addition to store, 559 Yonge street, to cost \$500.

HEATING AND PLUMBING NOTES.

The bailiff is in possession of Snoddy Bros., plumbers, Hamilton.

Denman & Ogilvie, plumbers, Montreal, have dissolved, Mr. Denman continuing. Mr. Ogilvie intends opening out for himself in the near future.

The following buildings are now being erected in Rat Portage, Ont.: Central and high schools, \$31,000; post office and Government building, \$25,000; Hilliard opera house, \$20,000; Rat Portage Cold Storage Co.'s buildings, \$15,000; Presbyterian church, \$12,000; Hall's marine slip and foundry, \$10,000. Their aggregate value is \$83,000. Other smaller jobs bring the total up to \$125,000.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.


PATENTS PROMPTLY SECURED

Write today for a free copy of our interesting books "Inventors' Help" and "How you are swindled." We have extensive experience in the intricate patent laws of 50 foreign countries. Send sketch, model or photo, for free advice. **MARION & MARION, Experts.** New York Life Building, Montreal, and Atlantic Building, Washington, D. C.

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.
Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co. Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
Wholesale trade only.

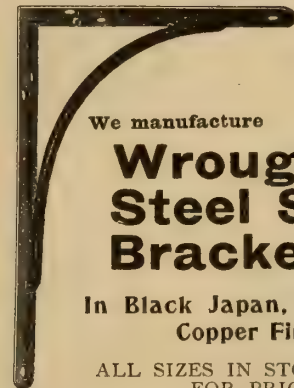
JMT VALVES



Look for this Trade Mark on every valve.

FIRST in Quality Workmanship and Design

THE JAS. MORRISON BRASS MFG. CO.
TORONTO Limited



We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and Copper Finish.

ALL SIZES IN STOCK. SEND FOR PRICES.

H. R. IVES & CO., Montreal.

HEADQUARTERS for

Syracuse Babbit Metal, Plumbers' and Tin-smiths' Solder, Pig Tin, Pig Lead, Ingot Copper, Ingot Brass, Phosphor Tin and Aluminum.

SYRACUSE SMELTING WORKS

Factory: 332 William Street
MONTREAL

All kinds Scrap Metal taken in exchange.

Factory: SYRACUSE, N.Y.

1899

Patterns

BOKER'S

SKATES

Are now ready. **See our Samples.****RICE LEWIS & SON**

LIMITED

Toronto, Ontario.

YOU WILL FIND the style of

Leather Trucks.
 Push Carts.
 Bacon Trucks.
 Bag Holders.
 Baggage Barrows.
 Barrel Trucks.
 Book Trucks.
 Box Trucks.
 Brick Cars.
 Canning House Trucks.
 Carpet Trucks.
 Cheese Trucks.
 Dry Goods Trucks.
 Express Wagons.
 Feed Trucks.
 Fruit Trucks.
 Hotel Trucks.
 Pipe Dollies.
 Timber Dollies.
 Skids.
 Tram Cars.



P.S.—Still selling the
old reliable

Fairbanks Standard Scales.

TRUCK which will
 handle your goods to best ad-
 vantage shown in our catalogue.

Pick out the one you want
 and we will quote our lowest
 price by return mail.

THE
Fairbanks Company

749 Craig Street,

... Montreal

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

MONTREAL, QUE.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.	
Central Fire Cartridges, Sporting and Military, Dom. 15 and 5 per cent.	
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.	
Lead and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.	
Shot.	
Canadian, common, 7½ per cent.	
Brass Shot Shells, 55 and 10 per cent	
Primers, Dom., 30 per cent.	
Wads.	
Best thick white felt wadding, in ½-lb bags.	1 00
Best thick brown or grey felt wads, in ½ lb. bags.	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge	0 25
Thin card wads in boxes of 1,000 each 8 gauge	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M.
11 and smaller gauge	0 60
9 and 10 gauges	0 70
7 and 8 gauges	0 90
5 and 6 gauges	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge	1 15
9 and 10 gauges	1 40
7 and 8 gauges	1 65
5 and 6 gauges	1 90
Anvils.	
Per lb.	0 10 0 12½
Anvil and Vice combined, each.	4 50
Wilkinson & Co.'s Anvils, lb.	09 0 09½
Wilkinson & Co.'s Vices, lb.	09½ 0 10
Augers.	
Gilmour's, discount 65 p.c. off revised list.	
Hollow Stearn's, per dozen	13 00 20 00
Adjustable Stearn's, each	4 50 6 50
Post-hole, Vaughan's, each	60 90
Excelsior, Jennings', discount 50 per cent.	
Awls.	
Sewing, per gross	0 65 1 59
Pegging, "	0 65 1 25
Brad, "	0 85 1 60
" handled, per gross	3 60 30
Saddler's, per gross	0 45 1 60
Awl Hafts.	
Patent Peg, per gross.	7 25 8 00
Sewing, per gross.	
Awl and Tool Sets.	
Millar's Falls, per doz.	2 80 3 30
AXES.	
Splitting Axes	5 25 5 50
Chopping Axes—	
Single List, per doz.	6 00 12 00
Double List, "	11 00 18 00
Bench Axes, 40 and 10 p.c.	
Axle Grease.	
Per gross	6 00 43 00
Bath Tubs.	
Zinc, discount.	3 90 4 00
Copper, discount, 40 and 10 p.c. off revised list.	
Steel clad, 20 per cent. discount off revised list	
Boxing extra	
Anti-Friction Metal.	
"Tandem" A..... per lb.	0 19
"B.....	0 16
"C.....	0 10½
Magnolia Anti-Friction Metal, per lb.	0 25
No Name Metal.....	0 15
Mystic Metal.....	0 10
F. O. B. New York or Chicago.	
Bells.	
Hand.	
Brass, 60 per cent.	
Nickel, 53 per cent.	
Door.	
Gongs Sargent's	5 50 8 00
" Peterboro', discount 50 per cent.	
Cow.	
American make, discount 66½ per cent.	
Canadian, discount 45 and 50 per cent.	
Farm.	
American, each	1 25 3 00
House.	
American, per	0 35 0 40
Bellows.	
Hand, per doz.	3 35 4 75
Moulders, per doz.	7 50 10 00
Blacksmiths', discount 60 per cent.	
Belting.	
Extra, 45 per cent.	
Standard, 45 and 10 per cent.	
Agricultural, 60 and 10 p.c.	
Bench Stops.	
Per doz	5 00 6 00
Bits.	
Auger.	
Gilmour's, discount 65 and 5 per cent.	
Excelsior, discount 60 per cent.	
Rockford Common, 70 to 70 and 10 per cent.	
" Perfection, 50 and 10 per cent.	
Jennings' Gen., net list to 5 p.c. discount.	
Car.	
Gilmour's, 47½ to 50 per cent.	
Expansive.	
Clark's 40 per cent.	
Excelsior, 10 per cent.	

Gimlet.	0 65	0 90
Clark's, per doz	1 00	1 50
Diamond, Shell, per doz.	2 25	5 20
Nail and Spike per gross		
Blind Rollers.		
Annex, per doz	1 25	1 75
Mascott, "	1 35	1 85
Erminie, "	1 00	0 90
Blind and Bed Staples.		
All sizes, per lb	7¼	0 12
Bolts.		
Carriage, dis. 60 and 10 to 70 p.c.		
Tire, dis., 70 and 5 per cent.		
Stove dis., 70 per cent.		
Elevator, dis., 45 to 40 per cent		
Machine, dis., 70 p.c.		
Coach Screws, dis. 70 and 10 p.c.		
Plough bolts, 60 p.c.		
Boring Machines.		
Complete, with augers, each.	5 00	7 50
Braces.		
Barber's	6 00	7 75
Barber's Ratchet	10 00	11 00
Farmers	2 00	2 75
Millar's Falls	15 50	29 00
Brackets.		
Shelf.		
Japanned Canadian, per doz.		
pairs	0 50	3 40
Berlin Bronze Canadian	0 85	3 20
Broilers.		
Light, dis. 65 to 67½ per cent.		
Reversible, dis., 65 to 67½ per cent.		
Vegetable, per doz., dis. 37½ per cent.		
Henis, No. 8,	6 00	
Henis, No. 9,	7 00	
Queen City	7 50	0 00
Butchers' Cleavers.		
German, per doz.	6 00	11 00
American, per doz.	12 00	20 00
Butts.		
Brass.		
Wrought Brass, dis., 17½ p.c. revised list.		
Cast Iron.		
Loose Pin, dis. 70 per cent.		
Wrought Steel.		
Fast Joint, dis. 70, 10 and 5 to 75 p.c.		
Loose Pins, dis. 70, 10 and 5 to 75 p.c.		
Berlin Bronzed, dis. 70, 70 and 5 per cent.		
Gen. Bronzed, per pair	0 40	0 65
Can Openers.		
Acme, per gross.	9 00	10 00
Sardine Scissors, per doz	3 75	4 50
Card.		
Horse, per doz.	0 60	1 00
Carpet Stretchers.		
American, per doz	1 00	1 50
Bullards, per doz	6 50	
Carpet Sweepers.		
Bissell, per doz	22 50	
World,	21 75	
Daisy,	24 00	
Star,	18 00	
Crown Jewel, per doz.	29 00	
Grand Rapids,	24 00	33 00
Cartridges.		
(See Ammunition.)		
Castors.		
Bed new list, dis. 55 to 57½ per cent.		
Plate, dis. 52½ to 57½ per cent.		
Cattle Leaders.		
Nos 31 and 32, per gross.	8 50	9 50
Cement.		
Canadian, Portland.	2 50	
English	2 85	
Belgium	2 75	
Canadian hydraulic	1 20	
Figures are for barrel lots.		
Chalk.		
Carpenters Colored, per gross	0 45	0 75
White lump, per cwt	0 60	0 65
Red,	0 05	0 06
Crayon, per gross	0 14	0 18
Chisels.		
Socket, Framing and Firmer.		
American, dis. 75 per cent.		
Canadian, dis. 40 and 5 per cent.		
Tanged firmer, per doz	0 85	4 00
Churns.		
Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.		
Clamps.		
Judds', dis. 20 per cent.		
Stearn's, per doz	3 00	10 00
Clips.		
Axle dis. 65 per cent.		
Closets.		
Washout, plain	3 25	
" embossed	3 50	
Coffee Mills.		
Box	3 60	13 00
Side	3 60	4 00
Enterprise, No. 0	1 35	
" No. 2	70	
Compasses, Dividers, Etc.		
American, dis. 62½ to 65 per cent		

Cradles, Grain.		
Canadian, dis. 20 per cent.		
Dies.		
Hart Mfg. Co. (pipe es), (Amer. list), dis. 40 per cent.		
Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.		
Door Springs.		
Torrey's Rod, per doz.	(15 p.c.) 2 00	
Coil, per doz	0 88	1 60
English per doz.	2 00	4 00
Draw Knives.		
American, dis. 70 and 10 per cent.		
Canadian, dis. 25, 50 and 10 per cent.		
Drills.		
Hand and Breast		
Millar Falls, per doz.	16 00	51 50
P. S. & W., dis. 40 per cent.		
DRILL BIT.		
Orse, dis. 37½ to 40 per cent.		
Standard, dis. 50 and 5 to 55 per cent.		
ELBOWS.		
Stovepipe.		
Per doz	85	1 70
FAWCETS.		
Cork Lined, per doz.	0 30	0 35
Wine, per doz.	1 30	3 25
Star,	2 80	3 90
Fenn's Corkstops, No. 2, per dozen	1 70	
Petroleum, per doz.	4 50	6 50
FILES AND RASPS.		
Globe File Mfg. Co.'s dis., files and rasps, 50 and 10 to 70 per cent.		
Toronto File Co.'s dis., files and rasps, 60 and 10 to 70 per cent.		
Black Diamond, 50 and 10 to 60 per cent.		
Kearney & Foote, 60 and 10 to 60 per cent.		
Nicholson File Co., 50 and 10 to 60 per cent.		
Heller's Horse Rasps, 50 to 50 and 5 per cent.		
Jowitt's, English list, 25 to 27½ per cent.		
American, 60 to 60 and 5 per cent.		
Great Western, 60 and 10 per cent.		
Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.		
FLUTING MACHINES.		
Each	0 60	2 00
FORKS.		
Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.		
FREEZERS		
Ice Cream.		
Gem from \$1.25 to \$7 net.		
White Mountain, 1 to 25 qt.	1 35	13 50
Arctic, dis. 50 p.c.		
FRUIT PRESSES.		
Henis', per doz.	3 25	3 50
Shepard's Queen City, dis. 15 per cent.		
FRY PANS.		
Acme, dis. 65 to 67½ per cent.		
GAUGES.		
Marking, Mortise, Etc.		
Stanley's, dis. 50 to 55 per cent.		
Wire Gauges.		
Winn's, Nos. 26 to 33, each	1 65	2 40
GLASS.		
Window.		
Box Price.		
Star.		
Size		
United		
Inches.		
Under 25	1 60	3 00
26 to 40	1 75	3 30
41 to 50	3 70	5 50
51 to 60	4 00	6 25
61 to 70	4 30	7 30
71 to 80	4 70	7 85
81 to 85	5 25	8 85
86 to 90		10 30
91 to 95		11 70
96 to 100		13 75
101 to 105		15 70
106 to 110		
GLUE POTS.		
Tinned, each	0 30	
Enamelled each	0 55	
GRINDSTONE FIXTURES		
Per doz.	3 60	4 00
HALTERS.		
Rope, ¾ per gross	8 25	8 50
" ½ "	9 25	9 50
" ¼ "	11 00	11 25
Leather, 1 in., per doz.	3 87½	4 00
" 1½ in., "	5 15	5 25
Web, — per doz.	1 87	2 40
HAMMERS.		
Nail		
Maydole's, dis. 5 to 10 per cent.	Can., dis	
25 to 27½ per cent.		
Tack.		
Magnetic per doz.	1 10	1 20
Sledge.	0 07½	0 08½
Ball Pean.		
English and Can., per lb.	0 22	0 25

HANDLES.		
Axe, per doz., net.	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pairs.	0 40	2 50
Chisel.		
Firmer, per gross	3 00	4 50
Socket Firmer, per gross	3 25	8 00
Socket Framing, per gross	3 75	5 00
Fork.		
C. & B., dis. 45 per cent. rev. list.		
Hoe.		
C. & B., dis. 45 per cent. rev. list.		
Saw.		
American, per doz.	1 00	1 25
Plane.		
American, per gross.	3 15	3 75
Hammer and Hatchet.		
Canadian, 45 per cent.		
Cross-Cut Saw.		
Canadian, per pair	0 13½	0 20
HANGERS.		
Door, 4 and 5 inch, per pair.	0 40	0 50
Lanes, 62½ per cent.		
HATCHETS.		
Canadian, dis. 40 to 42½ per cent		
HINGES.		
Blind, Parker's, dis. 60 and 10 to 65 per cent		
" Shepard's Noiseless, dis. 60 per cent.		
" Buffalo, dis. 60 to 70 p.c.		
Light T and strap, 70 and 10 p.c.		
Heavy, per lb	0 03½	0 04½
Screw hook and hinge—		
6 to 12 in., per 100 lbs.	3 15	
14 in. up, per 100 lbs.	1 13	1 80
Screw Eureka	1 13	1 80
Gate, Clark's	1 50	2 20
" Shepard's, dis. 50 to 60 per cent.		
Per gro. pair	9 50	
Spring	1 20	
" Shepard's Samson		
HOES.		
Garden, Mortar, etc. dis. 60, 10 and 5 p.c.		
Planter, per doz	4 00	4
HOOKS.		
Cast Iron.		
Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross.	1 00	3 00
Chandelier, per doz	0 50	1 00
Wrought Iron.		
Wrought Hooks and Staples, Can., dis. 47½ per cent.		
Wire.		
Hat and coat, dis. 60 to 60 and 10 p.c		
Belt, per 1,000	0 60	0 70
Screw, bright, dis. 65 and 10 per cent		
HORSE NAILS		
"P. B.", dis. 50 p.c.		
"C" brand, 50 p.c. dis.		
"M" brand 50 p.c.		
Acadian, 50 and 20 p.c., countersunk head.		
HORSE SHOES.		
Iron Shoes.		
Montreal	3 15	3 25
Toronto*	3 49	3 50
Light, medium, and heavy.		
Snow shoes		
Steel Shoes.		
Light, all sizes	3 35	3 45
Extra light	4 50	4 60
Toe weight (steel)	5 50	5 60
*Also Hamilton, London, Guelph, St. John Halifax.		
ICE PICKS.		
Star, per doz.	3 00	3 25
KETTLES.		
Brass spun, 7½ p.c. dis. off new list.		
Copper, per lb.	0 30	35
American, 60 and 10 to 65 and 5 p.c.		
KEYS.		
Lock, Can., dis. 50 p.c.		
Cabinet, trunk, and padlock.		
Am. per gross.		1 60
KNOBS.		
Door, japanned and N.P., per doz.		0 90
Bronze, Berlin, per doz.	2 75	3 25
Bronze Genuine, "	6 00	9 00
Shutter, porcelain, F. & L. screw per gross.	1 30	4 00
KNIVES.		
Claus, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.		
Christie, bread, cake, and paring knives, \$7.00 doz. sets, with 10 p.c. off.		
Hay knives, spear point, L or T handle, 60 and 5 per cent.		
Lightning, per doz.	6 50	8 40
Heath's, \$7.75 net.		
LADLES.		
Melting, per doz.	1 70	4 50
LEMON SQUEEZERS.		
Porcelain lined, per doz.	2 20	5 60
Galvanized,	1 87	3 85
King, wood,	2 75	2 90

King, glass,	4 00	4 50
All glass	1 20	1 30
LINES.		
Fish, per gross	1 05	2 50
Chalk,	1 90	7 40

LOCKS.		
Canadian, dis. 50 p.c.		
Russell & Erwin, per doz.	1 75	7 50
Cabinet.		
Eagle, dis. 30 p.c.		

Padlock.		
English and Am., per doz.	50	6 00
Scandinavian,	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.		
Iron and Brass.		
Flat head, discount 25 p.c.		
Round head, discount 20 p.c.		

MALLETS.		
Tinsmiths', per doz.	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each	1 60	2 00

MATTOCKS.		
Canadian, per doz.	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.		
American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.		
American, per doz.	0 42	2 35

MOLASSES GATES.		
Stebbin's Patent, dis. per cent., 77½ per cent		

NAILES.		
Quotations are:	Cut.	Wire.
2d. and 3d.	\$2 75	\$2 80
3d.	2 40	2 45
4 and 5d.	2 15	2 20
6 and 7d.	2 05	2 10
8 and 9d.	1 90	1 95
10 and 12d.	1 85	1 90
16 and 20d.	1 80	1 85
30, 40, 50 and 60d. (base).	1 75	1 80
Steel Cut Nails 10c. extra.		
Brads and finishing nails, special sizes, 80 p.c. from new list.		

NAIL PULLERS.		
German and American.	1 85	3 50

NAIL SETS.		
Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.		
Poultry, 67½ per cent. for imported, 55 per cent. for McMullen's.		

OIL.		
Canada refined oil (Toronto).	0 14	
Carbon safety	0 16½	
American w. w.	0 17½	
Pratt's Astral.	0 17	

OILERS.		
McClary's Model galvan. oil can, with pump, 5 gal., per doz.	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.	1 25	3 50
Brass,	1 50	3 50
Malleable, dis. 25 per cent.		

PAISLS.		
Galvanized, per doz.	1 85	3 00

PENCILS.		
Dixon's, per gross.	1 00	4 25
" Carpenter.	2 25	3 60

PICKS.		
Per doz	6 00	9 00

PICTURE NAILS.		
Porcelain head, per gross.	1 40	3 00
Brass head,	1 40	1 00

PIPE CUTTING MACHINERY		
Forbes Patent Die Stocks.—Curtis & Curtis, Mrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to 2 in. R. & L.	\$ 50 00	
No. 38 Hand Machine, range 1½ to 4.	100 00	
No. 56 Hand Machine, range 2½ to 6.	175 00	

PLANES.		
Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.		
Wood, fancy Canadian or American, 37½ to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.		
Miscellaneous, dis. 25 to 37½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.		
English, per doz.	2 00	5 00

PLIERS AND NIPPERS.		
Button's Genuine, per doz pairs, dis. 37½ 40 p.c.		
Button's Imitation, per doz.	5 00	9 00
German, per doz.	0 60	2 60

PLUMBS AND LEVELS.		
S.R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		

POPPERS.		
Corn, square, per doz.	1 35	2 00

PRUNING SHEARS.		
Per doz.	4 00	5 50

PULLEYS.		
Hothouse, per doz.	0 55	1 00
Axle	0 22	0 33
Sorey	0 27	1 00
Awning	0 35	2 50

PUMPS.		
Canadian cistern	1 40	2 25
Canadian pitcher spout.	1 15	2 00

PUNCHES.		
Saddlers', per doz.	1 00	1 85
Conductors'	9 00	15 00
Tinners' solid, per set.	0 00	0 72
" hollow, per inch.	0 00	1 00

RAIL.		
Barn door, per foot.	0 02½	0 02½
Sliding door,	0 03¼	0 03½
Lanes,	0 02½	

RAKES.		
Cast steel and malleable Canadian, list dis 60 to 60, 10 and 5 p.c. revised list.		
Wood, 25 per cent.		

RAZORS.		
Geo. Butler & Co.'s, per doz.	8 00	18 00
Boker's,	7 50	11 00
Wade & Butcher's,	3 60	10 00
Arbenz's,	9 00	18 00
Thiele & Quack's	7 00	12 00

RAZOR STROPS.		
Currier's, per doz.	1 25	3 60

RIVETS AND BURRS.		
Carriage, Section, Wagon Box Rivets, etc., (Steel), 6 p.c.		
Carriage, Section, Wagon Box Rivets, etc., (Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and 5 p.c.		
Copper Rivets & Burrs, 45 p.c. dis. in ½-lb. boxes and cartoons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.		
Canadian, dis. 35 to 37½ per cent.		

ROPE, ETC.		
7-16 in. and larger, per lb	10½	13
¾ in.	11	13½
¾ and 5-16 in.	11½	14
Cotton	14	
Russia Deep Sea	14½	
Yute Yarn	6¾	7½
Lath Yarn	8	8½
New Zealand Rope	9½	

RULES.		
Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.		
Mrs. Potts, per set.	0 62½	1 00
" N.P., per set.	90	

SAD HEATERS.		
Dome, Shepard's, per doz.	4 75	5 00

SAND AND EMERY PAPER.		
Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.		

SASH CORD.		
Per lb.	0 20	0 50

SASH LOCKS.		
Triumph and Morris, dis. 37½, 40 per cent.		
Kempshell's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.		
Sectional, per 100 lbs.	1 40	1 75
Solid,	1 25	

SAWS.		
Crosscut, McMillan & Haynes, per dozen.	0 40	0 70
" Empire, McMillan & Haynes, per ft.	0 70	
Hand, Diston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Diston's, per ft.	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.	0 75	2 75
" frame only.	0 75	

SAW SETS.		
" Lincoln," McMillan & Haynes, per doz.	6 00	7 50
Whiting	5 63	7 00

SCALES.		
Gurney Scales, 50 p.c.		
B. S. & M. Scales, 50 p.c.		
Champion, 60 per cent.		
Fairbanks Standard, 45 p.c.		
" Dominion, 61 p.c.		
" Richelieu, 60 p.c.		
Chatillon Spring Balances, 25 p.c.		

SCRAPERS.		
Box, per doz.	2 10	4 50
Boot,	0 40	3 50

SCREENS.		
Door, patent, per doz.	6 50	11 00
Window, per doz.	2 50	2 75

SCREW DRIVERS.		
Sargent's, per doz.	65	4 90

SCREWS.		
Wood, F. H., iron, and steel, dis. 87½ p.c.		
Wood, R. H.,	dis. 80 p.c.	
" F. H., brass, dis. 82½ p.c.		
Wood, R. H.,	dis. 75 p.c.	
Drive Screws, 87½ per cent.		
Bench, wood, per doz.	3 25	4 00
" iron,	4 25	5 75

SCYTHES.		
Discount, per doz. net.	4 50	6 00

SCYTHE SNATHS.		
Canadian, dis. 50 p.c.		

SHEARS.		
B. & W., japanned, dis. 75 p.c.		
B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 60 p.c.		
Etna, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
" N.P., dis. 70 p.c.		
lauss, full nickel, 60 p.c.		
japanned handles, 67½ p.c. off.		
Seymour or Heinisch tailor shears, 15 p.c.		

SHEAVES.		
Sliding door, per set.	0 77	1 40

SHOVELS AND SPADES.		
Canadian, dis. 40 and 10 to 45 and 2½ p.c.		

SIEVES.		
Wood rim, black, per doz.	1 05	1 10
" tinned,	1 25	1 35
Tin rim, per doz.	2 30	2 45
" black	1 85	2 25

SNAPS.		
Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews	4 50	11 50

SOLDERING IRONS.		
Per lb.	0 25	

WROUGHT SPIKES.		
Discount, 35 to 40 per cent.		

SPOKE SHAVES.		
Wood, English	1 80	5 00
Iron, American	1 35	2 35

SPOONS AND FORKS.		
Tea spoons, per gross.	7 50	12 00
Dessert,	21 00	00 00
Table,	30 00	00 00
Dessert Forks,	24 00	00 00
Medium	27 00	00 00
Table	36 00	00 00

SQUARES.		
Iron, per doz.	1 65	2 90
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAPLES.		
Galvanized	2 00	
Bright	1 00	

STEP LADDERS.		
BOECKH BROS. & COMPANY.		
Best grade, from 3 to 10-ft. long, per foot, 160		
2nd grade, 3 to 10-ft., per foot, 10c.		

STOCKS AND DIES.		
American, dis. 25 p.c.		

STONE.		
Washita, per lb.	0 28	0 60
Hindostan,	0 06	0 07
" slips, per lb.	0 09	0 09
Labrador	0 13	
" Axe	0 15	
Turkey	0 50	
Arkansas	0 00	1 50
Water-of-Ayr	0 00	0 10
Scythe, per gross.	3 50	5 00
Grind. per ton.	15 00	18 00

Stove Polish.	
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As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays

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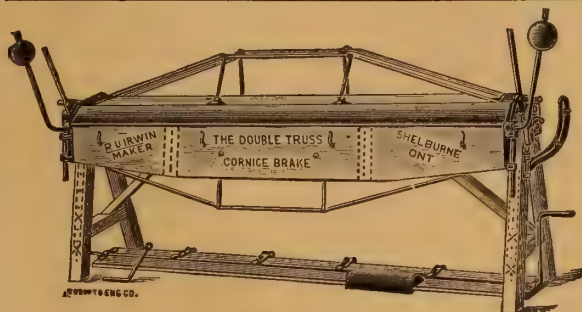
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Price, \$50

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BLUESTONE

HIGH PRESSURE PACKING

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HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
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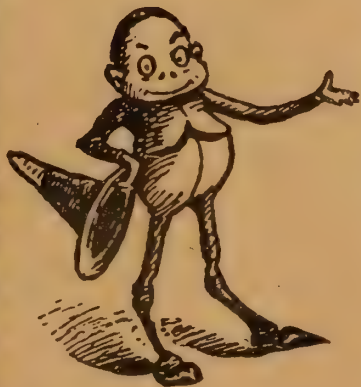
Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

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61-63 FRONT ST. WEST, TORONTO.



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Should be in every hardware and
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They are ready sellers, and please
everyone who use them. There is always a lot of it sold
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CANADIAN

HARDWARE

AND METAL
MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X

MONTREAL AND TORONTO, SEPTEMBER 24, 1898

No. 39



Magnolia Metal

Best Anti-Friction Metal for
all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

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mark appear on each box
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Every Sheet Guaranteed.

*If you find any defect whatever in a case,
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Iron, report it at once to your jobber, send-
ing the packer's ticket enclosed in the case,
and any defective sheets will be replaced.*

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Every desirable attribute combined in one general
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Without bolts, rods or packing in a single pipe connection
—absolutely unbreakable, screw-threaded nipple connections,
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You get perfect and free circulation one minute after the
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Handsome as a Radiator **can** be—light,
yet very strong—made in twenty-five different
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A. BURDETT LEE, V. P. and Treas.

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TILES
Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets

...TORONTO

"Solidity"

In speaking of DUPLEX TUBS, this word is particularly applicable, as it is the "solidity" of the Tub that is a great point of merit. The steel, copper and tin are all practically fused together, making one solid sheet. It is therefore almost impossible to dent or bruise one of Booth's DUPLEX Copper-lined Bath Tubs.

"DUPLEX"



BOOTH'S PATENT

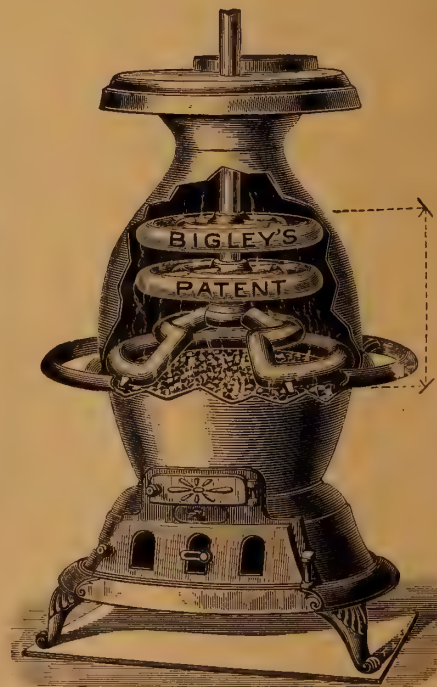
Sole Manufacturers in Canada:

The Toronto Steel-Clad Bath and Metal Co., Limited

TORONTO

"BIGLEY'S" PATENT WATER HEATING COIL.

Made in
8 Sizes.



They are so constructed that one or more sections can be used. They are constructed principally for combination heating, in any kind of Hot Air Furnace, Globe Heaters or Stove, such as represented in cut. They are put together with screwed nipples and tested at 150 lb. pressure. The first section is cut away in front, so as to admit the coal. This heater adds $\frac{2}{3}$ more heating capacity to a stove or furnace. It can be built in brick for greenhouse heating.

Send for Catalogue

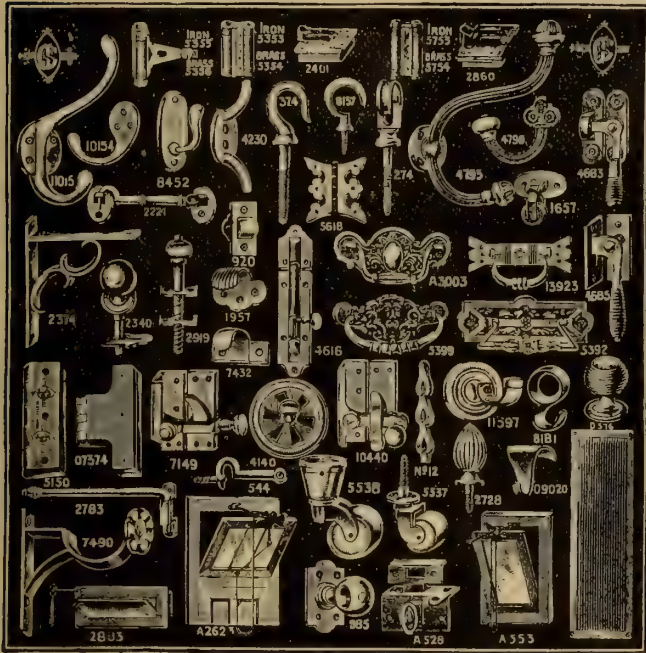
Manufactured by

R. BIGLEY 96 and 98 Queen E. TORONTO

James Cartland & Son

Manufacturers of every description of

**CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY
BIRMINGHAM, ENGLAND.**



London Showrooms: 57 Holborn Viaduct, E.C.

Our "Para" Rubber Belt

is made of 32-oz. Duck coated with fine Para Rubber, and makes a superior THRESHING BELT.

**OUR PATENT
SEAMLESS**

Forsyth Rubber Belt

is so constructed as to do away with an exposed seam.

Price List and Discounts on application.



THE CANADIAN RUBBER CO.
OF MONTREAL

CAPITAL - \$1,500,000.

BRANCHES: Toronto and Winnipeg.

OTHER TOOLS ARE VERY GOOD TOOLS, BUT

"YANKEE" TOOLS ARE BETTER



SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

Sold in Canada by _____

CAVERHILL, LEARMONT & CO.	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	"
RICE LEWIS & SON, Limited	-	-	TORONTO
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Descriptive Circulars will be mailed on application.

North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.

ESTABLISHED
1778.



CORPORATE
MARK.

JOHN CROSSLAND

MANUFACTURER OF

SHEFFIELD.

Pocket, Table and Butcher Knives.

Spear, Bowie, Daggers, Matchets and Hunting Knives.

These goods have a world-wide reputation for good quality and finish. Any infringers of our corporate mark will be promptly prosecuted.

APPLEBY & CO., - 501 Board of Trade, MONTREAL,

The sole agents for Canada, keep a full range of samples on view.

ESTABLISHED OVER 100 YEARS.

JOHN PEACE & SONS, ALGOMA WORKS, Sheffield, England

Manufacturers of Steel, Files and Rasps, Hammers, Picks, Spades, Shovels and Forks, Chisels, Vises, Saws, Cutlery and Shoe Makers' Tools, Silver and Silver-Plated Goods in newest designs.

Orders given to our Agent, or sent direct to Sheffield will receive prompt attention. Our Canadian representative carries samples of all the above lines. We solicit enquiries for every description of British Goods.

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The fibre is long
and strong

BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE

Eddy's Wrapping Papers

The E. B. EDDY CO., Limited

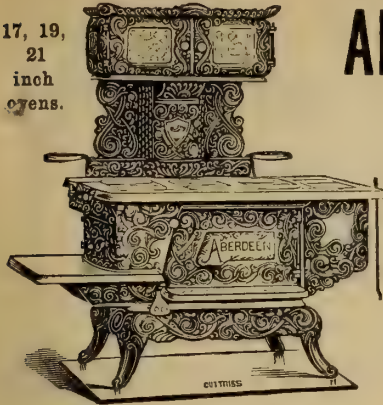
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The paper stands
wear and tear

17, 19,
21
inch
ovens.



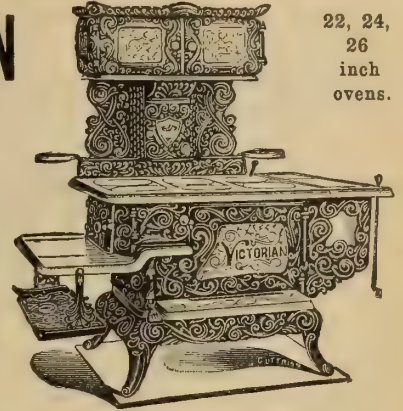
ABERDEEN, for Coal and Wood.

ABERDEEN AND VICTORIAN RANGES

These two modern, beautiful ranges give a complete line of goods for coal and for wood, and were constructed with special reference to the needs of Canadian trade. They have roomy fire boxes, capacious ventilated ovens, large fire doors, spacious hearths.

The COPP BROS. CO., Limited
Hamilton, Ont.

22, 24,
26
inch
ovens.



VICTORIAN, for Wood.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinisch's Sons Co. vs. Hermann Boker & Co:

"The complainant (R. Heinisch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinisch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinisch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorn & Co., St. John, N.B., H. S. Howland, Sons & Co., Toronto, and others.

Established 1825.

COLDBROOK IRON AND STEEL CO.
Limited

Manufacturers of
all kinds of

BAR IRON.

o o o o

GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

CANADA PLATES TINPLATES GALVANIZED SHEETS BLACK SHEETS

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin

164 Fenchurch Street, London, E.C.

26 to 30 Front St. West TORONTO.

AN ANNOUNCEMENT

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

Enameline

THE MODERN STOVE POLISH

PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

THE GENUINE STARR HOCKEY.

The patented reenforcement of front and heels precludes possibility of breakage.

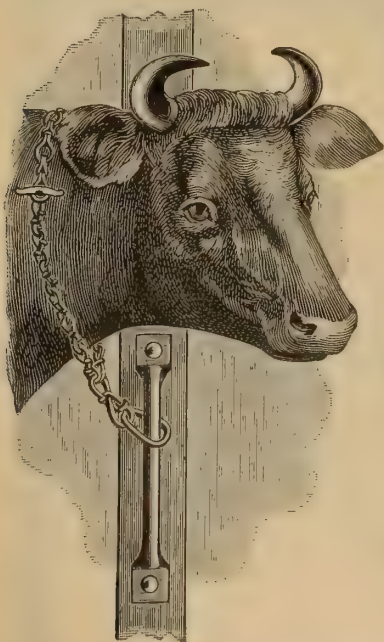


Quality guaranteed
and every pair
Warranted.

The STARR MANUFACTURING CO., Limited

T. L. PATON, Resident Agent, Montreal.

DARTMOUTH, N.S.



NIAGARA PATTERN

Or "SHORT"

COW TIE.

Made in either

CUT LINK

... OR ...

WIRE LINK
CHAIN.



Showing also our new

NIAGARA
STALL
FIXTURE.

The cheapest, safest and most convenient stall fixture ever devised for either cows or horses. Allows great freedom to the head without a long chain, which would entangle the animal's foot. Also American Open and Closed Ring Cow Ties.

ONEIDA COMMUNITY, Limited
NIAGARA FALLS, ONT.

KEMP'S

Standard

COAL HODS



Well Finished
Strong
Serviceable

ALL SIZES
AND STYLES
IN STOCK.



Prices on Application.

KEMP MANUFACTURING CO.
TORONTO, CANADA.

**HARDWARE
AND
METAL**

President, Treasurer,
JOHN BAYNE MacLEAN, HUGH C. MacLEAN
Montreal. Toronto.

THE MacLEAN PUBLISHING CO
Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P. E. Island and Newfoundland.

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NEW YORK	- - -	14 Irving Place,
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Subscription, Canada, \$2.00. Great Britain, \$3.00.
Published every Saturday.

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WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER

MONTREAL PRICES ON GLASS ADVANCED.

THE window glass dealers in Montreal got together at last this week and advanced their selling prices materially.

It has been a surprise to the majority of dealers, considering the situation of the primary markets, that prices were not marked up long ago.

The last advance in the jobbing price was in July last, and since then the situation in Belgium has radically altered ; in fact, the rise from the low point has been equivalent to an advance of fully 50c. all round.

This week's change in prices establishes an advance of 10c. on first and second breaks for 50 feet, and of all the way from

60c. to \$1.30 per 100 feet according to the break.

Stocks in Montreal are quite light, and for this reason another advance in the near future, if it comes, will not surprise anybody, as the market is quite strong at the rise. The changes in detail are :

		Old price.	New price.
First break	per 50 feet.	\$ 50	\$ 70
Second	" " "	1 60	1 60
First	" roof-feet.	2 80	3 50
Second	" " "	3 00	3 75
Third	" " "	3 30	4 00
Fourth	" " "	3 50	4 50
Fifth	" " "	3 70	5 00

CEMENT IS STILL FIRM.

The large arrivals of foreign cement at Montreal did not have the effect many anticipated, for prices on the article are still firmly held at the advance last quoted. In fact, there has been no change whatever in the situation, and even at higher figures, in some cases, buyers have found it difficult to fill immediate wants.

The consumption of cement has been exceedingly large this season, as the imports of all kinds to date have been 185,128 barrels.

SCARCITY IN IRON PIPE.

Wholesale houses in Ontario are experiencing some difficulty in getting supplies of iron pipe of Canadian manufacture. Orders placed two or three weeks ago are still unfilled, to the inconvenience of the retailers as well as the jobber.

The pipe makers in the United States as well as those in Canada are busy. In fact, we are told, it is a long time since they were so much so.

The boiler tube makers across the line met on Friday last in Pittsburgh for the purpose of advancing prices, but what the result of the meeting was we have not yet ascertained.

THANKSGIVING DAY QUESTION.

IN another column will be found a letter from John T. James, the well-known merchant of Bridgeburg, Ont., in regard to Thanksgiving Day. Mr. James agrees with **HARDWARE AND METAL** that the holiday should be held earlier than at present, and suggests the latter part of October.

The latter part of October would undoubtedly be more favorable for Thanksgiving Day than the latter part of November.

If, by holding the holiday three or four weeks earlier than usual, more settled weather is possible; by all means let it be held that much earlier.

Canadians have reason, this year, to be particularly thankful. Such a yield of grain the country probably never experienced before, while the fruit crop has been, on the whole, good. Then, the evidences of prosperity are of a most pronounced nature.

And, if we have much to be thankful for, why should we be compelled to do our rejoicing, or, rather, attempt to do our rejoicing, when the rain is deluging our spirits and the mud is clogging our feet, as is frequently the case year after year?

By all means, let Thanksgiving Day be held earlier than at present. Let us hear from the trade in the matter.

The stove and furnace trade in Canada is of a most active character, and at least some of the makers are unable to keep up with the demand. The 5 per cent. advance of a few months ago is well maintained, but the manufacturers say there is not likely to be a further appreciation, at any rate in the near future.

NEED OF A COMMERCIAL AGENCY RECOGNIZED.

IN a recent letter in The Toronto Globe, written by a resident of New York, reference is made to the lack of British capital in the development of Canada. "But," he adds, "it is not England's fault—the lack of capital arises from lack of advertising, and I rejoice that your Government is now opening up an agency in London."

The writer is not correct in all his premises. We can, for instance, scarcely relieve Great Britain from at least a share of the responsibility for the sparing manner in which her superfluous capital has found investment in Canada. Nor is he correct in his understanding that the Canadian Government is "opening an agency in London."

But, in the most important particular, he is unquestionably on the right track: He recognizes that the desideratum is a commercial agency in England through which a knowledge of Canadian affairs shall be imparted to the British public. In other words, through which Canada may be advertised.

There can be no question about it: The great need of Canada in the past has been the want of advertising in Great Britain. And the want of advertising in turn has been due to the want of a commercial agency in London.

During the last fifteen months, Canada has been brought to the attention of the British public as it never was before. There have been the preferential tariff, the Kootenay and Klondyke gold fields, and the Imperial penny postage, all of which have set people in Great Britain talking about Canada. And, what is more, been turning the attention of capitalists and emigrants towards the Dominion as was never done before.

But the nail has not yet been clinched: The commercial agency has not yet been established.

It ought to have been established. There has been plenty of time for it to have been established. The opportunity of doing so may not in a short time be as favorable as it is now.

Canada is at the moment a fruitful subject for newspaper articles and after-dinner speeches in the Old Country. While not

probable, yet it is possible, to-morrow it may be some other part of the Empire that has the eye of the British public. No one can tell what may be in the lap of futurity.

While the iron is hot is the time to strike. The conditions are hot, very hot in fact, for the establishing of a commercial agency in Great Britain and it is the duty of the Government to strike now.

BURNED OUT.—NO INSURANCE.

ONE of the regrettable things to be noticed in regard to the recent fire in New Westminster was the fact that some of the merchants burned out were not insured, and, doubtless, some of these unfortunates have been ruined financially.

But this is not altogether a new thing. It is no uncommon thing to find in the newspapers and commercial agency reports statements to the effect that this and that merchant has been "burned out; no insurance."

Insurance rates are, no doubt, often high and often excessively so. But it is better to feel the prick of excessive insurance rates than, by avoiding it, suffer the loss of property by fire without possibility of compensation; unless being driven out of business be accounted compensation.

A merchant is neither just to himself nor just to his creditors who does not carry insurance equal to at least 60 per cent. of the value of his stock.

You may have been in business forty years without being visited by fire, but you may not be in business another forty hours before you are visited and compelled by the flames to make your exit.

Be prepared for such possibilities.

THE NEW WESTMINSTER FIRE.

New Westminster, which was nearly burned off the map two weeks ago, is already the scene of great activity. A despatch states that whole blocks of debris are being rapidly cleared away, and all capable men are engaged in the construction of new buildings.

Hardware stores, grocery stores, barber shops, fruit and refreshment stands, offices, etc., are under course of construction everywhere. Among the larger firms which have

resumed business are The Cunningham Hardware Co., The Jubilee Grocery, R. F. Anderson, hardware merchant; T. J. Trapp, dealer in agricultural implements, and A. Godfrey, hardware merchant. Friday, the 16th, was held as market day, as usual.

Work has been commenced on the construction of the new city hall. The city business is being temporarily done in a tent.

The electric light system, to which about \$25,000 damage was done, was in working order within a week after the fire, when the electric lamps throughout the city were re-lighted.

GERMAN MEAT-CUTTERS.

Meat-cutters of German manufacture appear, this season, to be getting the lion's share of the trade in Canada.

One distributing house is credited with importing about 6,000.

As the price of the German-made article is lower than that made in the United States, jobbers report that there has been a marked falling off in the sale of the latter in Canada this season.

It would look as if the makers of meat-cutters in the United States will have to bestir themselves if they are to meet German competition in Canada.

REDUCTION IN MANILLA ROPE.

A reduction has been made in the price of manilla rope, the base figure now being 11 1/2 c. per lb.

The reduction was made in order to meet the competition of a Belfast manufacturer, who was quoting low prices for the Canadian market. The jobbers claim that, at the new figures, they are making nothing on the extras, as they are selling them at actual cost.

No change has been made in sisal rope.

PRICE OF GLASS IN TORONTO.

It was announced, in last week's issue, that an advance in the price of glass, in Toronto, was likely in the near future.

In view of the advance in Montreal, this is now more likely than ever. In fact, from what we can gather, it is quite likely that, before the next issue of *HARDWARE AND METAL* is printed, values will be higher, probably by 10 per cent.

BICYCLES FOR THE SEASON OF 1899.

ALTHOUGH the bicycle season of 1898 has but just closed, plans are already being made by the wholesale trade, let alone the manufacturers, for the campaign of 1899, and, in another few weeks, travelers will be waiting upon the retail trade with samples and prices.

As far as **HARDWARE AND METAL** can gather, no material changes are contemplated by the manufacturers, either in regard to model or price. While, however, the prices of bicycles are not likely to be changed, it is worthy of note that tire-makers are advancing their figures.

As far as the wheels are concerned, there will be some change there. Some of the manufacturers will turn out a certain number of 30-inch wheels, but the largest manufacturers, as far as can be gathered, do not anticipate a great demand for them. At the same time, however, they are preparing to turn them out, should it be necessary to do so.

The bicycling manufacturing industry, like about everything else these days, is gradually getting into the hands of large and heavily capitalized concerns. This is particularly evident in the United States.

The small or poorly capitalized concerns are being pushed out of the business, and the companies which make the parts of a wheel, such as tubing, tires, etc., as well as put them together, are obtaining control of the situation.

WHICH IS THE BEST BOILER MADE IN CANADA?

A subscriber to **HARDWARE AND METAL**, a large manufacturer, writes: "What is considered the best boiler in Canada? We shall need a 60 h.p. here before long."

Any reader who can recommend from experience a boiler that has given every satisfaction will kindly drop a line to the editor of **HARDWARE AND METAL**.

AN ENGLISH OPINION OF OUR NEWSPAPERS.

One of the English firms exhibiting at Toronto Exhibition made the following statement to the writer: "Your newspapers here are run in a very queer way. A number of advertising men have asked me to let them write up our goods and put it in as

reading matter, charging 5c. a line. If they were to write it up as a news item, it would be all right, but the 'bloomin'' fools will put in any 'bloomin'' thing you tell them. You know we would never think of such a thing at 'ome, and I wouldn't do it here."

ALUMINUM CABLE.

The Pittsburg Reduction Co. has just completed the installation for The Niagara Falls Hydraulic Power and Manufacturing Co., at Niagara Falls, N.Y., the first aluminum cable ever constructed. It is used to carry the current from the power-house to the new factory of The National Electrolytic Co., high on the bank above, and weighs altogether 22,000 pounds. A copper cable sufficient to carry the same current would weigh 48,000 pounds.

This cable, according to an exchange, is made up of aluminum bars 25 feet long, 6 inches wide and 1/2-inch thick, four such being placed parallel and bound together. The bars are riveted and bolted every 25 feet. The cable extends along the side of the penstock, up the face of the cliff on brackets, and at the top is connected to aluminum cables, twelve of which are on each leg. These are 1 1/4 inches thick, insulated with rubber. The bars are connected to the cables by castings which contain sockets holding the ends of the cables, around which is poured melted tin to make the joint permanent. The great saving in weight made it easy to handle the cable on the dangerous cliffs, and the aluminum was found to have double the conductivity for the weight of the copper cables formerly used. It has also been found that while the aluminum cables required greater insulation than copper, the manufacturers were willing to make up the difference on large contracts.

TRADING STAMPS DOOMED.

The merchants of Ansonia, Derby, and Shelton, Conn., have set the seal of doom upon the trading stamp, having decided to discontinue all schemes of the kind after Sept. 1, 1898. After the appearance of the so-called "green stamps," the stores not in the combination began to give away the red stamps issued by another concern. The merchants say that over 1,000,000 of the red stamps have been given away, representing an outlay of \$3,000 to the merchants. A petition has been circulated in the triple towns, and generally signed, in which the merchants agreed that, after Sept. 1, they will discontinue the giving of stamps and gift advertising, thus enabling them to give better values. They also resolved that they will take space in no adver-

tising sheet, programme or other form of advertising matter, making an exception for religious organizations.—Exchange.

FICTITIOUS VALUES.

THIS is what I overheard in a store. A customer had been trying to purchase an article which the merchant happened not to have in stock.

"Can you tell me where I will be likely to find it?" enquired the buyer.

"I hardly know," answered the dealer, "It is something for which there is little demand. You might search a week for it and not find it anywhere, and then you may strike it at the first place you call. If you are going down past Brown's you might try there. He is as likely to have it as anyone."

"The truth is, I don't care to go to Brown's, for, between you and me, he knows what he wants for everything he sells."

"You are not the first one I have heard say that, either," replied the merchant, with a laugh. "Others make the same complaint."

"Well," continued the customer, "I want everyone with whom I deal to make a legitimate profit on what he sells me, but, when a man robs his customers as Mr. Brown does, he drives them away from his store. People find it out, as a rule, when they have been overcharged for a purchase, this not only has the effect of keeping them from placing themselves in the way of a second dose of such treatment, but, in addition, they are more likely to tell their experience to someone else, who also repeats it, and Mr. Brown comes to be known as a desirable party to avoid. No worse advertisement can be published than a reputation for exorbitant prices."

And so the talk ran on, emphasizing the philosophy of President Lincoln when he said: "You cannot fool all the people all the time." Get-rich-quick methods always come to grief sooner or later when built upon the foundation of usurious profits. Every merchant has a right to a fair margin, and no one begrudges it to him, but his violence is sure to return upon his own pate when he attempts to place fictitious values upon his wares. He must not forget to give the buyer credit for the possession of an average amount of discernment. There is no surer way of making an enemy of a man than by cheating him.—Mercantile Journal.

A business man expresses himself thus in regard to advertising: "A man who tries to do business without advertising is like the man who, having goggles on, winks at a pretty girl; he may know what he is doing, but no one else does."

ACETYLENE GAS.*

THE NEW ILLUMINANT.

By C. T. Marshall.

ACETYLENE GAS, although as a practical light a thing of to-day, possesses a history, and a not uninteresting one. Edmund Davy, in 1836, while experimenting with a process for the production of potassium, found a black residue in the retort, which, like potassium, decomposed water; but, instead of the gas given off being pure hydrogen, it was found to be a compound of that gas with carbon, two volumes of hydrogen combining with two volumes of carbon to form a hydrocarbon, differing from any hydrocarbon then known, which we now recognize as acetylene.

In 1862 Wohler made carbide of calcium by fusing an alloy of zinc and calcium with carbon, and ascertained that it decomposed in contact with water, forming calcic hydrate and acetylene. In the same year the great French chemist, Berthelot, made a series of most interesting experiments upon this gas. He found that as the electric arc passed between carbon electrodes in an atmosphere of hydrogen, direct combination took place between these elements, and acetylene was thus synthetically produced. He also found that when the vapors or gases of more complex hydrocarbons came to be passed through heated tubes this same gas made its appearance in small quantities. In addition to carrying out these experiments, he took upon himself the responsibility of giving it a name, and the newest of the hydrocarbons henceforth stood known to the world as acetylene.

On October 17, 1892, Macquenne announced to the Academy of Sciences that he had made barium carbide by heating barium carbonate, magnesium powder, and charcoal in an iron bottle, and that on treatment with water or other hydroxylated compound, it yielded acetylene gas, and on January 19, 1893, Mr. Travers announced to the Chemical Society that he had also made carbide of calcium by heating a mixture of sodium, calcium chloride, and powdered gas carbon, the resulting mixture giving 16 per cent. of calcium carbide.

The discovery of a method of making carbide of calcium cheaply and in larger quantities was the result of an accident. Mr. Thomas Leopold Willson, a Canadian chemist, had devised a process for the production of aluminum by the use of an electric furnace, but found himself debarred from carrying out work on aluminum owing to certain patent rights. While attempting to utilize his electric furnace for obtaining the metal calcium by reducing lime with

finely powdered charcoal, he found that at the temperature of the electric arc an interaction took place, which resulted in the evolution of carbon monoxide, and left behind a fused mass which solidified to an extremely hard semi-crystalline body. The experiment was a failure. Anything but pleased with the result of his experiment, Mr. Willson threw the mass into the stream which drove the turbine. This substance thus thrown so lightly aside made itself both seen and felt in the most unmistakable manner, by causing a violent effervescence in the water, and giving off an odor that demanded the undivided attention of all those who came within reasonable distance of it. This remarkable action was not without its result. Some more of the substance was at once made and examined chemically, when it was found to be what is known as carbide of calcium, and upon being brought into contact with water it gave off large volumes of acetylene gas.

Carbide of calcium is a hard, greyish substance, containing 40 parts by weight of calcium, combined with 24 parts by weight of carbon. It has a specific gravity of 2.26, and the theoretical yield of 1 pound when saturated with water is 5.889 c. ft. of gas. In practice, the average yield of good commercial carbide is about 5 c. ft. per pound. The evolution of acetylene gas upon water being brought into contact with carbide of calcium is due to the chemical affinities of hydrogen and carbon and of oxygen and calcium. Immediately upon contact a double reaction takes place. The oxygen of the water combines with the calcium of the calcic carbide to form lime, while the hydrogen of the water combines with the carbon of the calcic carbide to form acetylene.

Acetylene is a gaseous compound, composed of 24 parts by weight of carbon with 2 parts by weight of hydrogen, having a specific gravity, as compared with air, of 0.91. When burnt it gives a flame of intense brilliance, the rays being almost identical with those of the sun. It is far superior as an illuminant to any other known gas, 5 c. ft. of it giving an illumination of 240 c.p., as compared with 16 c.p. given by the same quantity of coal gas. It has an intensely penetrating odor, which somewhat resembles garlic, its strong smell being a very great safeguard in its use, as the smallest leakage would be at once detected. Indeed, so pungent is this odor, that it would be practically impossible to go into a room which contained any dangerous quantity of the gas.

We have recently had many alarmist statements as to the safety or otherwise of acetylene gas, and I now propose to deal with it from the point of view of its explosibility, poisonous nature, heat of the flame,

and products of combustion, as compared with coal gas. It is explosive over a slightly wider range than coal gas. Mixtures of air and acetylene commence to be explosive when containing about 5 per cent. of acetylene, while the proportion of coal gas in a mixture of air and coal gas required to make an explosion is about 8 per cent.

These figures appear to favor coal gas in the proportion of 8 to 5; but further inquiry more than nullifies this advantage. In an escape caused by a tap being left on, the average coal gas burner will pass at least 5 cubic feet per hour, during which time an acetylene burner would only pass $\frac{1}{2}$ foot of gas, while, if the escape were caused by a hole in the pipe, the amount of gas escaping would depend upon the specific gravity of the gas; the specific gravity of coal gas is .4, that of acetylene is .6, thus the proportionate amount of gas escaping under similar conditions would be two volumes of acetylene to three of coal gas. It will thus be seen that while if the escape is caused by a tap being left on, the comparison is overwhelmingly in favor of acetylene, if it is caused by a hole in the pipe the two are practically equal. This is without taking into consideration the odor of acetylene, which, as previously mentioned, makes no mistake about giving warning of any escape.

An acetylene gas flame only gives off one-fifth of the heat given off by a coal gas flame.

For the generation of acetylene gas all that is requisite is to bring carbide of calcium into contact with water. This must obviously be done in one or two methods: Either the carbide may be dropped into water, or water may be allowed to flow into the carbide. Both methods have their advantages and disadvantages.

Taking the first principle, that of dropping the carbide into water, from a chemical point of view, it is undoubtedly the best; but from a mechanical point of view it has serious limitations. By dropping the carbide of calcium in small pieces into a comparatively large volume of water, there is practically no rise in the temperature, the decomposition is perfect, and, having to bubble

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Prompt Shipments

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Limited
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* From a paper read before the Northern Architectural Association, Newcastle-on-Tyne, England.

through the water, the gas is condensed, washed and freed from impurities. Its main disadvantage from a mechanical point of view is the practical impossibility of making at a moderate cost a small automatic generator that will work in a sanitary manner. The difficulties are purely technical, and I do not propose to go into them here.

The second principle—that of allowing the water to flow to the carbide—is, for obvious reasons, that most generally adopted, the reason being its adaptability to the construction of generators of a moderate size, designed to work automatically by allowing the water to flow by gravity to the vessel containing carbide of calcium, and the cutting off of the supply of the same, either by the action of a valve closed by the rising of the gas-holder when a certain amount of gas having been made causes it to rise above a certain point, or by the back pressure of the gas when a certain amount of gas has been made. As a result of the automatic operation of these generators, a large storage capacity is not required in connection with them; they can, therefore, be made of a comparatively small size, and at a moderate cost.

It is, for this reason, practically certain that most generators will be made on this principle, and it is necessary that we should give our very careful attention to any faults that may be in this principle, and to the methods in which these faults may be overcome.

The conditions given rise to by this method of generator, which necessitate special precautions being taken to overcome them (and this is especially the case in those machines where the water is sprayed on to the carbide), are that the heat developed during the reaction is sufficient to pulverize some of the acetylene into liquid products of a tar-like nature, and that by decomposing all the impurities present in the carbide, the gas is rendered extremely impure.

These impurities, if not dealt with, are likely to find their way into the pipes, and to cause stoppages in the same. The conditions can be overcome by (1) inclosing the carbide container in a water-jacket; (2) by passing the gas through water or some other purifying agent. As I have previously stated, there are two principles on which generators working on this principle can be designed. They may be made on what I call the "gas-holder principle," having the supply of water regulated by a valve opened and closed by the falling and rising of the gas-holder, or upon what I will call the "back pressure of the gas principle," in which there is no cut-off between the water and the carbide container, the water being driven back by the pressure of gas after a certain amount has been made.

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Nothing could be more complete than the triumph of

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in Canada. They have been a success from the start. They grow in favor every day, sweeping everything before them—making new friends and holding old ones.

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We are never satisfied. Our whole life is in this business. And great as our past has been, our future will far surpass it.

Those who work with us, prosper with us.

THE SHERWIN-WILLIAMS CO.

Walter H. Cottingham,
Managing Director, Canadian Dept.

MONTREAL

TRADE CHAT.

A NEW strike of a most promising character has been made in Giant mine tunnel, Rossland, B.C. The ore carries iron molybdenite, highly impregnated with copper, and looks remarkably healthy.

The Sydenham Glass Works, Wallaceburg, Ont., commenced running for the season on Tuesday this week.

One of the mills of The Hamilton Powder Co., at Beloeil, Que., was destroyed by an explosion in the mixing-room on Friday last.

The employees of The Globe File Manufacturing Co., Port Hope, Ont., held their annual road race to Cobourg on Saturday last.

The manufacturers' committee of Brantford, have recommended to the city council that The Chalcraft Screw Co., of that city, be exempted from taxes.

It is reported that the G.T.R. has secured the contract for transporting 100,000 tons of steel plates from Chicago to Belfast, via Midland, Ont., and Montreal.

The hardware store of Thos. Beattie, jr., Comber, Ont., was entered by burglars on Wednesday night last week, and some small-ware, cutlery, etc., were stolen. The

thieves entered by cutting out a pane of glass from the back door.

Wm. C. Bullock, a former employe of The St. Lawrence Foundry Co., has issued a writ against H. C. Hamilton, the manager, for \$5,000 damages for slander.—Toronto Star.

The representative of a nickel refining company in Swansea, Wales, is at present exploring some mining property in Sudbury the company owns. He says nickel steel is entering into more general use in the construction of locomotives, and, in fact, nickel is becoming indispensable in the manufacture of steel for almost every purpose.

THE DIXON CRUCIBLE CO.

The output in every department of The Joseph Dixon Crucible Co. the past twelve months was the largest in the history of the company. In order to more fully meet the increasing demand for its goods, the company has just completed a substantial brick structure 90 x 40 and three storeys high, which will be used wholly in the manufacture of leads for pencils, crayons, graphite resistance rods, etc. This plant, while the largest in the United States, if not in the world, has turned away orders during the past year, some being from lead pencil concerns who wanted the Dixon leads.

CHEERFULNESS AND LONGEVITY.

"**M**EN are not made to hang down either heads or lips," says a modern writer, "It is the duty of everyone to extract all the happiness and enjoyment he can without and within him, above all, he should look on the bright side of things. As well might fog, and cloud, and vapor hope to cling to the sun-illuminated landscape, as the blues and moroseness to remain in any countenance when the cheerful one comes with a hearty 'good-morning.' Don't forget to say it, with a smile, to all you meet. A busy life cannot be otherwise than cheerful. Frogs do not croak in running water."

"I have told you," says Southey, "of the Spaniard who always put on spectacles when about to eat cherries, in order that the fruit might look larger and more tempting. In like manner I make the most of my enjoyments; and though I do not cast my eyes away from my troubles, I pack them in as small a compass as I can for myself, and never let them annoy others." We all know the power of good cheer to magnify everything.

When Garrison was locked up in the Boston city jail, he said he had two delightful companions—a good conscience and a cheerful mind. It was Lincoln's cheerfulness that enabled him to stand up under the terrible load of the Civil War. His jests and quaint stories lightened the gloom of the darkest hours of the nation's peril.

About two things we should never fret, that which we cannot help, and that which we can help. Better find one of your own faults than ten of your neighbor's.

Henry Ward Beecher was the greatest joker in college, and shocked many church people because he was so full of fun. His sister, Harriet Beecher Stowe, said he was like "a converted bobolink who should be brought to judgment for short quirks and undignified twitters and tweedles among the daisy-heads, instead of flying in dignified paternal sweeps like a good swallow of the sanctuary, or sitting in solemnized meditation in the depths of pine trees like the owl." Solemnity was regarded then as evidence of Christian character; but this preacher has done much to show that religion is the most beautiful thing in the world.

Helen Hunt says there is only one sin that seems to be everywhere, and by everybody is underestimated and quite too much overlooked in valuations of character. It is the sin of fretting. It is as common as air, as speech; so common that unless it rises above its usual monotone we do not even observe it. Watch an ordinary coming together of people, and we see how many minutes

it will be before somebody frets—that is, makes more or less complaint of something or other, which probably everyone in the room, or car, or on the street corner, knew before, and which most probably nobody can help. Why say anything about it? It is cold, it is hot, it is wet, it is dry, somebody has broken an appointment or ill-cooked a meal; stupidity or bad faith somewhere has resulted in discomfort. There are plenty of things to fret about. It is simply astonishing how much annoyance and discomfort may be found in the course of everyday living, even of the simplest, if one only keeps a sharp eye on that side of things. Some people seem to be always hunting for deformities, discords and shadows, instead of beauty, harmony and light. We are born in trouble, as sparks fly upward. But even to the sparks flying upward, in the blackest of smoke, there is a blue sky above, and the less time they waste on the road, the sooner they will reach it. Fretting is all time wasted on the road. —Pushing to the Front.

A LEADING LINE OF SKATES.

Henry Boker's skates are, no doubt, among the leaders. The excellence of finish, the fine temper, and the specially large variety of kinds suitable for any purpose, have, no doubt, given this maker many advantages. Besides, it is claimed, that the factory of

Boker's skates is one of the most extensive and best equipped in the world.

For the Canadian market alone they sell regularly a dozen lines of Halifax pattern skates; various kinds of Victoria Club pattern; a large variety of different Skeleton skates for fancy and general skating; every style imaginable of Hockey skates which may be had, including field, puck-stopper and goalkeeper's patterns; an assortment of Rink Racing skates; a number of River Racing skates, besides four styles of Norwegian pattern Racing skates.

Amongst the lines and samples of this maker there is nothing which does not fill some of the different tastes of the Canadian trade, and it is impossible for any small maker to supply any similar variety and give satisfaction. Some of the Skeleton, Hockey, and Racing skates, are unique in their design, and many other makers have copied and are following up the styles of Henry Boker, though, of course, in the copies, the same result is not reached as in the originals. The maker owns more different patents than any other skate factory in the world. The different Canadian pattern Hockey skates are supplied with reinforced patented cup brackets and a number of new improvements for the coming season of 1898-99.

D. Scheaffer, general merchant, Edmuntson, N.B., is offering 35c. on the dollar.

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BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are **fully equal** in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and **cost less**.

GILBERTSONS are the only galvanizers who not only **roll all their Steel Sheets**, but manufacture **all their own Steel in their own Steel Works**, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. **Cost** no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

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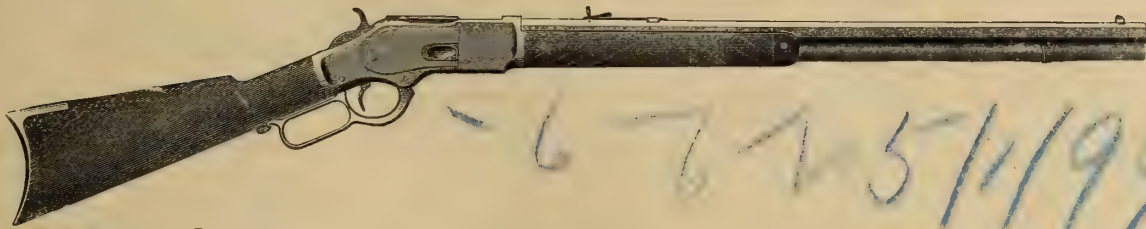
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Schultze Smokeless, in ½-lb. Tins.

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Revolvers, Flobert Rifles, Ammunition.

Loaded Shells, Shot, Wads and Caps.

DIFFICULTIES WITH CASH DISCOUNTS.

THE granting of a cash discount for prompt payment is a matter which will always cause more or less trouble between a certain class of men doing business, writes a merchant in Iron Age. They are of the class that cause trouble for one reason or another or for no reason at all, if a good reason is not at hand.

They are the kind that cause trouble even to the merchant in their own town, from whom they buy their small daily wants and endeavor to make prices and terms to suit their own picayune ways.

They are allowed too much sway by most all who do business with them, and it is sometimes a question in the minds of many who have put up with them whether they should not be turned down entirely. To a large extent one's daily business constitutes the greater part of his life on earth, and the business associations and transactions are what go to make it pleasant and profitable in temper and spirit, as well as otherwise.

The discord which is ever present in the dealing with many is a source of unrest and trial to the man who in business desires to treat others as he would be treated himself.

The man who makes it a practice of taking 20 to 30 days, and then deducting his cash account, is a genteel thief in the business community—nothing more nor less—and he is the same fellow that will order something from his butcher, his baker or his candlestick-maker, and, in settling, make deductions from the bill, for some cause, and you settle with him rather than have further trouble. Yes, and then trust him or his household again, and go through the same experience as before in settlement.

One sometimes concludes that a few of the well-dressed and well-appearing men in our community belong behind the bars with striped suits on, for they seem to have no honor or respect for the dealer to whom they are justly indebted.

True, there are those in business who are too strict and split hairs in settling; even so in the matter of allowing cash discounts. This is an unfortunate thing for them, as they lose good customers by their shortsightedness. However, a certain reasonable firmness is necessary to force a respectable compliance with the proper terms. Discount for cash is an excellent practice for both buyer and seller, and each dealer, jobber and manufacturer should do it reverence and respect to the end that it is not abused, but preserved and extended.

SCARCITY OF IRON AND STEEL.

Manufacturers, who are large consumers of iron and steel, and who have been

accustomed to receive shipments from mill on a week's notice, are now suffering considerable inconvenience. Giving the usual week's limit for the deliveries wanted, they are met with the response that the iron cannot be forwarded for six or eight weeks. The reason assigned is that the mills are so far oversold that within shorter time they cannot fill their orders. The disappointed consumers in this emergency are turning to the jobbers, and to stocks, wherever the latter can be found, and are giving supplementary orders, to keep their works supplied with material. At present, the tendency of the market is still upward. Mill representatives are talking freely to the effect that if the present demand continues, they will be compelled to mark up the price of products again.—Iron and Steel, Chicago.

PERSONAL MENTION.

Mr. L. H. Prindle, representing the North & Judd Mfg. Co., saddlery hardware manufacturers, New Britain, Conn., is in Toronto this week.

Mr. George Bertram, M.P., president of The Bertram Engine Works Co., Limited, Toronto, who has been ill with rheumatism, is convalescent.

Mr. Albert E. Davis, representing the Covert Mfg. Co., West Troy, N.Y., was in Toronto this week in the interest of his firm.

Mr. F. C. Fairbanks, representing Wm. Higgins & Sons, Birmingham, England, visited Toronto this week. The firm he represents manufactures brass-cased tubes, for which a large trade is being worked up in Canada.

Mr. W. Woodley was in Toronto this week in the interest of B. & S. H. Thompson & Co., Birmingham, England.

ROTHSCHILD'S RULES.

A London paper says that Baron Rothschild had these rules posted in his bank:

Shun liquor.
Dare to go forward.
Never be discouraged.
Be polite to everybody.
Employ your time well.
Never tell business lies.
Pay your debts promptly.
Be prompt in everything.
Bear all troubles patiently.
Do not reckon upon chance.
Make no useless acquaintances.
Be brave in the struggle of life.
Maintain your integrity as a sacred thing.
Never appear something more than you are.

Carefully examine into every detail of your business.

Safes, Scales Trucks, Barrows, etc.

Goldie & McCullough's Safes, Vaults, Doors, etc.
Standard Scales of every size and variety.
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PRIEST'S CLIPPERS

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Thoroughly seasoned goods
We make a specialty of.... Can ship promptly and supply the very best

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Can give exceptional value.
Have 5,000 dozen of these handles
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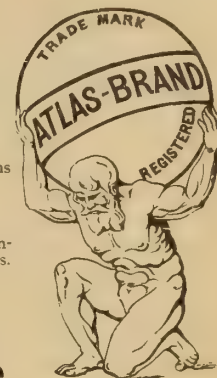
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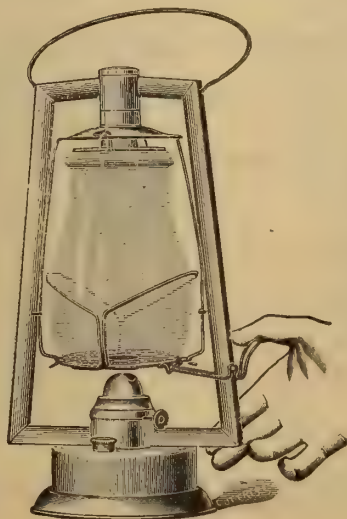
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TRADE IN OTHER COUNTRIES THAN OUR OWN.

PIG IRON IN PITTSBURG.

THE consumers of Bessemer pig in Pittsburgh, according to the correspondent of Iron Age, are covered for the next two or three months, and there is practically no enquiry. Good sized lots of Bessemer are being offered by middlemen, at \$9.90, Valley furnace, but without finding buyers. Furnace, however, is holding firm at \$10. Gray forge is firm at \$9.10, Valley furnace, and \$9.35 to \$9.50, Pittsburgh. Foundry irons are quiet. We quote standard Bessemer at \$9.90 to \$10, Valley furnace; Gray forge, \$9.10, Valley furnace; No. 1 foundry, \$10.50 to \$10.75; No. 2 foundry, \$10.10 to \$10.25; No. 3 foundry, \$9.90 to \$10; Gray forge, \$9.35 to \$9.50; Bessemer, \$10.50 to \$10.55, all f.o.b. Pittsburgh district.

RECOVERY IN U.S. IRON PRODUCTION.

The Iron Age, in its monthly review of the pig iron production, says: "The blowing in of a number of furnaces, notably in the Mahoning and Shenango valleys, has led to a moderate recovery in the production of pig iron from the steady decline which started in June. That consumption has kept up remarkably well is clearly shown by the large and continuous reduction in the stocks. The weekly capacity of the furnaces in blast, on September 1, compares as follows with that of preceding periods:

	Furnaces in Blast.	Capacity Per Week. Gross tons.
September 1, 1898	186	213,143
August 1, 1898	187	206,777
July 1	185	216,311
June	190	225,398
May 1	194	234,163
April 1	194	233,339
March 1	193	234,430
February 1	184	228,338
January 1	188	226,608
December 1, 1897	191	226,024
November 1	183	213,159
October 1	171	200,128
September 1	161	185,506
August 1	152	165,378
July 1	145	164,064
June 1	146	168,380
May 1	146	170,528
April 1	153	173,279
March 1	156	169,986
February 1	154	162,959
January 1	154	159,720
December 1, 1896	147	142,278
November 1	133	124,077
October 1	130	112,782
September 1	145	129,500
August 1	173	157,078
July 1	191	180,532
June 1	194	182,220
May 1	196	189,398
April 1	200	187,451
March 1	207	189,583
February 1	215	198,599
January 1	241	207,431
December 1, 1895	242	216,797
November 1	239	217,306

"The position of stocks sold and unsold, as reported to us July 1, was as follows, the same furnaces being represented as in former months. This does not include the holdings of the steel works producing their own iron:

Stocks—	Apr. 1.	July 1.	Aug. 1.	Sept. 1.
Anthracite & coke	678,492	683,537	625,003	571,007
Charcoal	139,516	121,774	114,285	117,285
Totals	818,008	805,311	739,288	688,382

NEW YORK MARKETS.

PIG TIN—The market was without radical change in any particular. Business of very fair volume was effected direct between importers and consumers, chiefly moderate quantities for spot and near future delivery. These small parcels sold at 16.15 to 16.20c. net, but on lots of 5 tons or more over 16.10c. was quite exceptional. No speculative interest in the article develops here, and London cables continue very tame. In fact, there is complete absence of other than ordinary trade movement or enquiry at the moment.

COPPER—Deliveries on old contracts continue liberal, and serve to keep values quite firm. New business is rather slow, however, and enquiries are only fair. Supplies are so well disposed of, however, that prices remain firm at about 12 $\frac{3}{8}$ to 12 $\frac{1}{2}$ c. for Lake Superior ingot, 12 $\frac{1}{8}$ to 12 $\frac{1}{4}$ c. for electrolytic bars, etc., and 11 $\frac{1}{8}$ to 12 $\frac{1}{8}$ c. for ordinary casting.

PIG LEAD—Moderate business only was reported, and the demand continued spiritless, with more than three to five car loads involved in remote instances only. Prices were barely steady on the basis of 4c. for common western, prompt or near future delivery. The London market was cabled a shade weaker.

ANTIMONY—The market remains quiet, but, firm at 9 to 9 $\frac{1}{2}$ c, according to brand and quantity.

SPELTER — Purchases by Eastern consumers are moderate, but galvanizers buy very fairly, and, all told, the movement

proves sufficient to keep prices steady at \$4.75 to \$4.80 delivered here. The London market was firm, with latest cables quoting £22 for good merchant brands.

TIN PLATE—The market for all varieties of plate remains quiet, and there is no change of importance in prices.

IRON AND STEEL—Pig iron is steady, as is also old material, but fair business only is being effected. In rails, beams, bars, etc., business is only fair and at last week's prices.

—N.Y. Journal of Commerce,
September, 22.

TINPLATES IN ENGLAND.

The London cable of The American Manufacturer says: "Business has improved somewhat and the market is steadier, without change in prices. Bessemer cokes, 9s. 9d. to 10s.; Siemen's cokes, 10s. to 10s. 3d.; best charcoals, 10s. 6d. to 12s., and 10 x 28 ternes, 17s. 6d. to 20s. 6d. per double box."

HARDWARE IN PITTSBURG.

The movement in general hardware for fall requirements continues brisk, but prices are, on the whole, unaffected. Stoves and ranges sell at advanced figures, as is usual at this season of the year. There is a fair call for builders' hardware, and also for the various lines of shelf ware, such as tools, cutlery, etc. The weak point in the hardware trade is wire and wire manufactures. Notwithstanding the fact that six of the largest wire nail plants in the country are idle, there is no improvement in prices. The home trade is normal, but, as much of the capacity depends on export trade, which is rather slow at present, local prices continue low and weak.—American Manufacturer.

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NOVA SCOTIA PAINT AND VARNISH WORKS.

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White Lead and Coloured Paints

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MOORE'S '98 STOVE CATALOGUE

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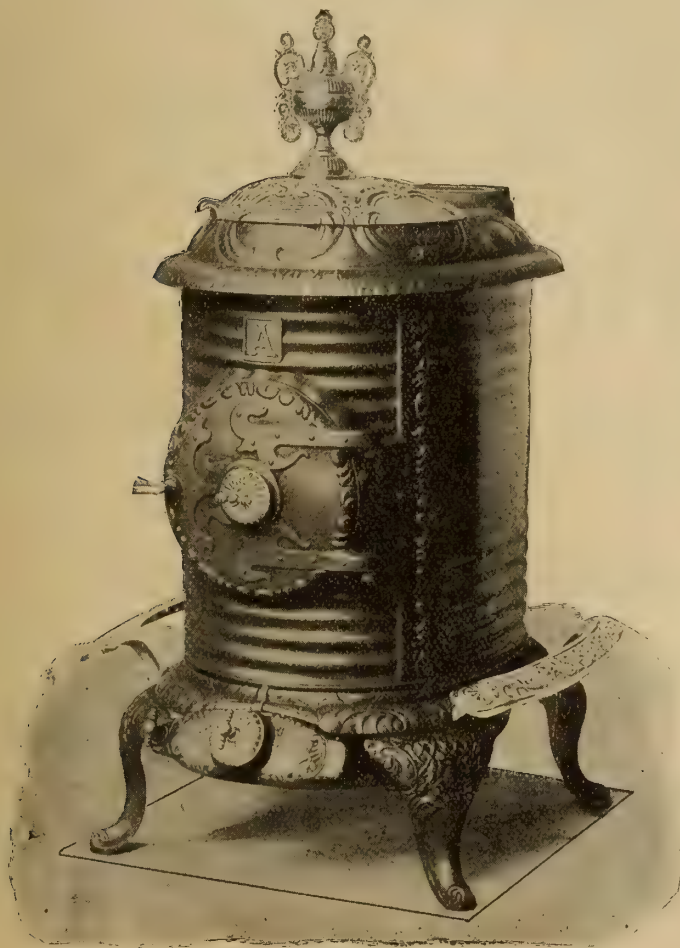
MANY NEW LINES OF RANGES, COOKS, AND HEATING STOVES

"Umpire" Air-Tight FOR WOOD

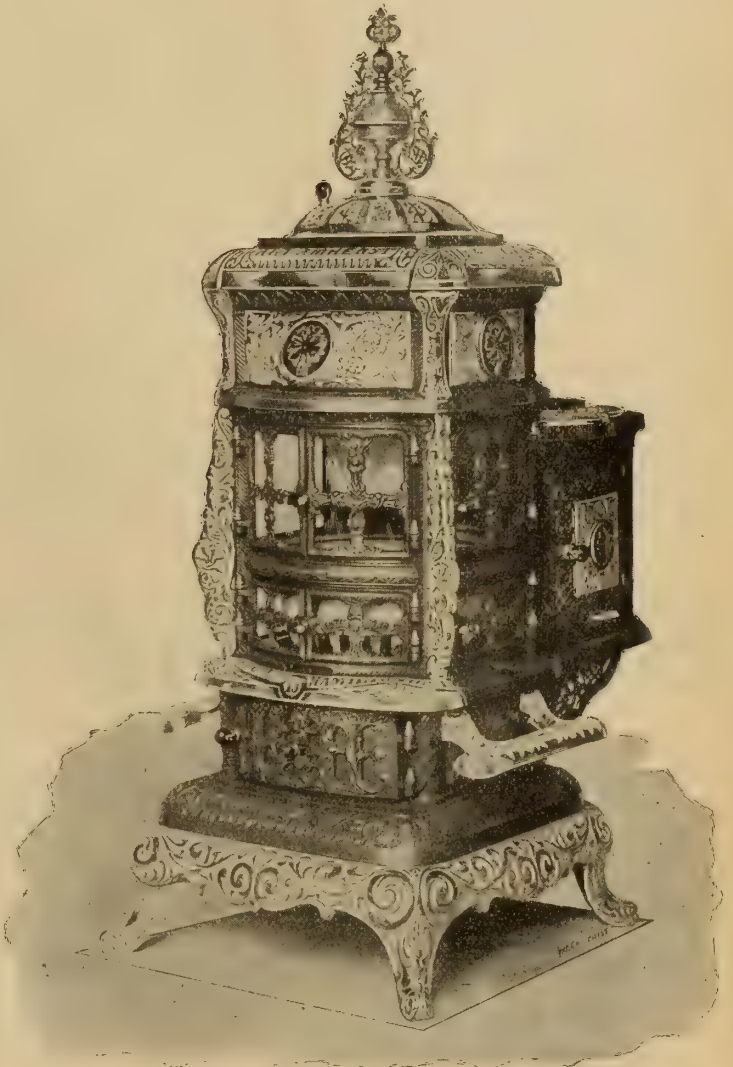
The most powerful heater out this year. Made in two styles :

- A.** Cast Iron Front with Large Feed Door.
- B.** All Steel Body, Top Feed.

Jointless, corrugated; all cast iron bottom, with pit six inches deep; perfect draft regulation; will hold fire 48 hours or longer.



"Umpire A"



"Art Amherst"

Improved for
1898.

BASE BURNER AND DOUBLE HEATER

The "Art Amherst" has so many friends it is hardly necessary to dwell upon its good points. With the improvements and new dress it will prove a great seller for this year.

IF YOU HAVE NOT ALREADY RECEIVED A COPY OF OUR NEW CATALOGUE, WRITE US OR OUR NEAREST AGENT.

The **D. MOORE CO., Limited,** **Hamilton, Ont.**

Manitoba Depot: - MERRICK, ANDERSON & CO., Winnipeg.
British Columbia Depot: JOHN BURNS, Jr., Vancouver, B.C.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Sept. 23, 1898.

HARDWARE.

THERE has been a good business in general hardware during the past week, the volume of trading showing a material increase in many leading lines. This has been notably the case in all lines of shelf goods, particularly cutlery, for which larger orders are noted lately. Bolts and nuts, washers, screws and hinges have also met with a good enquiry. The same can be said, though in a somewhat modified form of horse nails and horseshoes. Wire, on the other hand, rules quiet except for hay baling, and wire and cut nails are rather inactive and cordage also rules rather quiet. Cement continues firm at the advance, despite free arrivals, and a large quantity of this material has moved since last report.

BARB WIRE—This article continues quiet and unchanged, the base price being \$2 f.o.b. Montreal.

PLAIN WIRE—Plain fencing wire is also quiet, but there is a fair quantity of hay

baling wire asked for. Discounts remain at 40 per cent. on oiled and annealed and 35 per cent. on galvanized.

WIRE NAILS—Demand for wire nails has been fair during the week, but the orders are not for large quantities. Prices range from \$1.75 to \$1.80 f.o.b. Montreal.

CUT NAILS—There is a quiet trade doing, and prices are unchanged on the basis of \$1.75 f.o.b. Montreal, with the usual rebate of 5c. per keg.

HORSE NAILS—There is a fair enquiry for these, orders being chiefly for the Acadia brand. Discount on the standard nail is 50 per cent.; on the Acadia 50 and 20.

HORSESHOES—There is a good enquiry for these, both for prompt and forward shipment. We quote as follows: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35.

SCREWS—Demand is good for standard assortments. Discounts are: Flat head bright 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine

screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—There is a good movement in these. Discounts are as follows: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS—There is a fair business moving. Discounts are: Iron, black and tinned, all sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—There is very little activity in this line. We quote: Sisal, 7-16 and up, 10½c.; ¾, 11c.; 5-16 and ¼, 11½c., and 3-16, 12c.; manilla, 7-16, 12¾c.; ¾, 13¼c.; 5-16 and ¼, 13¾c., and 3-16, 14¼c.

CLOTHES WRINGERS—In fair enquiry, with values steady at \$29.

BELTING—Rules dull and unchanged.

HINGES—There is no active business in these, and a large percentage of the orders

Stove and Tinmen

WHY NOT

buy where you can obtain EVERYTHING YOU REQUIRE at prices as low as any ?

We make or supply nearly

100 Distinct Patterns of Stoves
11 Distinct Patterns of Furnaces
Hot Air Registers
Hollow Ware, etc.
Coal Oil, and Gas Stoves.

Enamelled Wares

Stamped and Pieced Tin Wares, Japanned Wares, Tinnings' Trimmings and Supplies, Metals, etc., in fact, everything required for the **Stove, Tin, and Furnace Trades.**

Branch Warehouses at Montreal, Toronto, Winnipeg, and Vancouver, supplying the trade promptly in any part of the Dominion. A trial order will convince you. If you have not our catalogue, write our nearest house.

 WHEN YOU WANT YOUR GOODS QUICK ORDER FROM McCLARY.

THE ...

McCLARY MFG. CO., Head Office and Works: **London.**

**APOLLO BEST BLOOM
GALVANIZED IRON.**

Guaranteed — Apollo galvanized iron—every sheet and part of a sheet.

To be perfect.

Apollo Iron and Steel Company
Vandergrift Building
Pittsburgh, Pennsylvania.

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

FACTORIES

...MONTREAL

CUT NAILS

Clinch and Pressed Nails,
Horse Shoes (Steel and
Iron), Railway and Pressed
Spikes, Mine and Wharf
Spikes, Drift Bolts, Wash-
ers (Steel and Iron).

CANADA IRON FURNACE CO.,

Limited.
Manufacturers of

CHARCOAL Pig Iron

MONTREAL.

BRAND "C.I.F." THREE
RIVERS

PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

for barn door hinges. We quote: 6 to 12 inch, \$3.15 per 100 lb.; 14 inch, \$2.35; T and strap, 70 and 10 per cent., and screen door, \$6.50 per gross pair.

SPADES AND SHOVELS—Business fairly active and discounts the same, 40 and 10 per cent.

BUILDING PAPER—Quiet, but steady. We quote as follows: "Good Luck" fibre, tarred, 45c.; dried, 35c.; "Shield" brand, sheathing, tarred, 27c.; dried, 22c.; "Dominion" brand, tarred roofing felt, \$1.10.

SPORTING GOODS—Orders for guns and ammunition are better than they were.

CUTLERY—Business in cutlery, both pocket and table sorts, is quite active this week.

CEMENT—Prices of cement are still firmly held, despite the arrivals referred to last week, and an active demand is experienced. We quote as follows: Belgian, \$1.85 to \$2.05; German, \$2.35 to \$2.50, and English, \$2.25 to \$2.35, with domestic \$1.95 to \$2.

FIREBRICKS—There is a good demand for these also and values are unchanged at \$16 to \$21 per 1,000, as to brand.

METALS.

Demand for all lines of metals is quite brisk and prices are generally firm except in tin and lead which have sold somewhat lower during the week.

PIG IRON—There has been very little change in pig iron since last report. We quote: No. 1 Hamilton, \$15 to \$15.50; No. 2, \$14.50; Ferrona, \$14.50 to \$15; Siemens, \$14.50 to \$15, and Summerlee and equal brands, \$17, ex wharf, and \$18 to \$18.50 ex yard.

BAR IRON—There has been more enquiry for bar iron, and the mills also report plenty of orders. Prices have a steadier tendency at \$1.45 to \$2.

HOOPS AND BANDS—There is a fair enquiry for these, and prices are unchanged at \$1.75 to \$2.

SHEET STEEL—There is a fair enquiry. We quote: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON—Business fair and prices rather lower. We quote: \$2.10 on 10 to 16 gauge; \$1.80 on 18 to 20 gauge; \$2 on 22 to 24 gauge; \$2.10 on 26 gauge, and \$2.15 on 28 gauge.

GALVANIZED IRON—In good demand, and quite a large quantity has been moving, while import business also is quite brisk. We quote: "Queen's Head," No. 28, \$4.10 to \$4.15, and "Comet," \$3.75.

INGOT COPPER—Steady and unchanged at 13c.

SHEET COPPER—Values are steadily held in this line and there is a good enquiry. We quote as follows: 16-oz. at 16c., and

WIRE.

Oliver Wire Co's

Barbed, and other Fencing Wires,
Telephone Wire, Nail Wire, etc.

The Whitecross Co's

Telegraph Wire, Spring Wire,
and special grades for all purposes.

WIRE ROPE of all grades.

A. C. LESLIE & CO.

MONTREAL

Sanderson's Tool Steel in stock.

"GREENING'S

Cow Ties."

These Cow Ties have stood the test for years. Undoubtedly the best and strongest on the market.

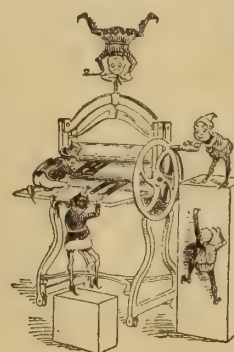
It will pay to handle only the best.

A complete line of all sizes ready for shipment. For sale by all jobbers.

The B. Greening Wire Co.

LIMITED

MONTREAL AND HAMILTON.



Mangles

Always in season,
but especially so
in hot weather.

Three different
kinds—send for
Catalogue.

Should be univer-
sally used.

THE DOWSWELL MANUFACTURING CO., Limited

Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers,
Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

14-oz. at 17c.; tinned copper, 16-oz., 18c., and 14 oz., 18 1/2c.

INGOT TIN—Round lots of "Lamb" and "Flag" have sold here this week for less money, and we quote prices lower: "Straits" 17 1/2c., and "Lamb" and "Flag" 18c.

PIG LEAD—Large lots of this metal have changed hands during the week considerably inside of our last week's quotation. Accordingly we quote \$3.70 to \$3.80, as to range.

IRON PIPE—Activity in this line is well maintained. We quote as follows: Black pipe, 1/4-inch and 3/8-inch, \$1.95; 1/2-inch, \$2.20; 3/4-inch, \$2.60; 1-inch, \$3.60; 1 1/4-inch, \$4.75; 1 1/2-inch, \$6.15, and 2-inch, \$8.25. Galvanized, 1/2-inch, \$3.75; 3/4-inch, \$4.50; 1-inch, \$6.30; 1 1/4-inch, \$8.65; 1 1/2-inch, \$11, and 2-inch, \$15.

LEAD PIPE—In good enquiry, ordinary 7c., and composition waste, 7 1/2c., discounts 25 per cent.

CANADA PLATES—There is an active movement of these from stock, and orders for importation have been quite large this week. We quote: 52's, \$2.15 to \$2.20; 60's \$2.30, and 75's \$2.40 to \$2.45. Full polished, \$3.

TIN PLATE—There a good business doing in tin plate. We quote as follows: Coke, I. C., \$2.90 to \$3.25; charcoal, I. C., Allaway or Comet brands, \$3.25; do, I. X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I. C., \$3.95; do. I. X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—In fair demand and values steady at \$6 to \$6.25.

COIL CHAIN—Unchanged. We quote as follows: 1/4-inch, \$5; 5-16, \$3.50; 3/8, \$3.25; 7-16, \$3.15; 1/2-inch, \$3, and 3/4 up, \$2.85.

SHEET ZINC—Firm and higher this week, the inside price now being 6c., and we quote 6 to 6 1/2c.

SOLDER—Sales fairly active at 12 1/4c.

ANTIMONY—Quite a few cask lots have been moving at 9 1/2c.

SPELTER—Holders are asking more money this week, and we quote values higher at \$5.50 to \$6.

GLASS.

The long-expected advance in window glass has materialized, values being advanced all round this week. We quote as follows: First break, \$1.60; second, \$1.70 per 50 feet; first break per 100 feet, \$3.50; second, \$3.75; third, \$4; fourth, \$4.50; fifth, \$5.

PAINTS AND OILS.

Demand in this department is picking up in good shape, though the aggregate movement is not yet very extensive. Advices continue very firm at primary points, on

both linseed oil and turpentine, but quotations here are unchanged.

WHITE LEAD—Best brands, Government standard, \$5.62 1/2; No. 1, \$5.25; No. 2, \$4.87 1/2; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4 1/2c.; kegs, 4 3/4c.; No. 1, casks, 4 1/4c.; kegs, 4 1/2c.

WHITE ZINC PAINT—Pure, 6 1/2c.; No. 1, 5 3/4c.; No. 2, 5c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 48c.; boiled, 51c., five-barrel lots one cent less net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 47c.; large lots, 1c. less, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8 1/4 to 8 1/2c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4 1/2 to 5 1/2c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

There has been no change in hides. We quote: Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3, 7c. Lambskins are steady at 65 to 70c.

MONTREAL NOTES.

There has been an advance all round in the price of window glass.

A round lot of 8,000 barrels of Belgian cement was sold on western account Tuesday.

Round lots of ingot tin and pig lead have been placed in this market during the week at a decline.

ONTARIO MARKETS.

TORONTO, Sept. 23, 1898.

HARDWARE.

NO really striking features present themselves in the hardware trade this week. Although there is a fair quality of goods moving, there is an apparent lull in business. Wire is about as quiet as ever. Wire nails are moving in large quantities, and cut nails continue to rule quiet. A good demand is still to be noted for bolts, and rivets and burrs are in fair request. Trade is opening up in fall specialties, such as stove boards, coal hods, sleigh bells, lanterns, etc. Skates are being freely delivered. About the only change in prices to note is a decline in manilla rope. Enamel ware is active, but tinware is quiet.

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for
Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and
Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

Portland Cements

Best German, English and Belgian Brands

Calcined Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Con-
tractors' Supplies.

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

HEADQUARTERS for BOILERS

Galvanized Range Boilers

"Reliance" } HIGH-CLASS
"Ronald's" } AMERICAN
BOILERS.

Copper Boilers

Radiators, Iron Pipe, Fittings

WRITE FOR PRICES.



ONTARIO LEAD AND
WIRE CO., Limited

TORONTO

WAREHOUSE,

55, 57, 59 Richmond St. East.

OFFICE, 54, 56 Lombard St.

Telephones 1092, 763.

A large business is being done in stoves and furnaces.

BARB WIRE—Prices are steady, but there is no business being done. We quote: Four point, \$1.85 f.o.b. Toronto and London, and two point at \$1.90. Terms, 30 days or 2 per cent 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—There is nothing doing in ordinary fence wire, and, while there has been a little business in hay-baling wire, trade in this latter line is disappointing, as far as the wholesalers are concerned. Discounts are: Annealed, oiled and annealed, 35 per cent.; galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 35 per cent.

WIRE NAILS—Orders are still largely confined to small lots. The ruling price is \$1.75 to \$1.80, Toronto.

CUT NAILS—Quiet and unchanged. Base price \$1.75 Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—The improvement noted last week appears to have held its own. Discounts are: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES — Business is moderate. We quote: Iron shoes, light, medium, and heavy, \$3.25 f. o. b. Toronto, Hamilton, London, Guelph St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—Business continues fair. Discounts are: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—The bolt trade is fairly good. We quote: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¾c.; hexagon, 5¼c.

RIVETS AND BURRS — Trade keeps fair. We quote: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

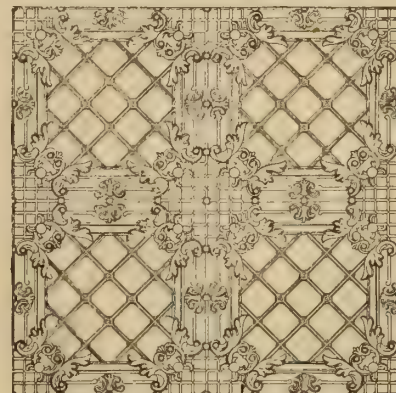
ROPE—Owing to low prices quoted by a Belfast house the price of Manilla rope has been reduced, the base price now being 11½c. per lb. Sisal is unchanged. There is not a great deal doing in rope. We quote as follows: Sisal, 7-16 in. and larger, 10½c.;

THINK

of the fireproof advantages, as well as the economy and handsome durability . . .

gained by using
our . . .

Metallic Ceilings —and Walls.



This finish is becoming deservedly popular—its beauty and lasting qualities are appreciated by all practical people.

We make an immense variety of designs, suited for all classes of buildings. They're easily applied—we furnish working drawings for each job.

Are you ready to sell? If not, better send for our catalogue and price list at once.

The METALLIC ROOFING CO., Limited

1179 King Street West, TORONTO

¾ in., 11c.; ¼ and 5-16 in., 11½c.; Manilla, 7-16 in. and larger, 11½c.; ¾ in., 12c.; ¼ and 5-16 in., 13c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS — Trade is fair. We quote as follows: Rope halters, ¾ in., \$8.25 to \$8.50 per gross; ½ in., \$9.25 to \$9.50; ⅝ in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—Dull. We quote discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Trade is moderate. We quote: "New Leader" "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BELTING—Business keeps moderate. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

HINGES—A fair demand is being experienced. We quote: 6 to 12 inch, in-

clusive, at \$3.15 per 100 lb., and 14-inch and upwards at \$2.35; light T and strap, 70 and 10 per cent.; screen door hinges, \$6.50 per gross pair.

SPADES, SHOVELS AND GRAIN SCOOPS—Business in spades and shovels is practically at a standstill, and there is not a great deal being done in grain scoops. Discount 40 and 10 to 45 and 2½ per cent.

BUILDING PAPER — Remains quiet. We quote as follows: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred; Northumberland plain, 30c.; ditto, tarred, 40c.; ditto, saturated, \$1.50 per 100 lb.; asbestos paper, 6½c. per lb.

SPORTING GOODS — Trade keeps fair. Some of the wholesale houses are short in certain numbers of guns.

CUTLERY—Trade continues fairly good in a sorting-up way.

CEMENT — The demand continues so brisk that difficulty is experienced in filling orders. We quote in barrel lots: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.50; Canadian hydraulic cements, \$1 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

METALS.

Tin and lead are firm, and there has been an advance in sheet zinc. Other metals are much about the same as last week.

PIG IRON—The market continues to rule steady. We quote as follows: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80. Hamilton iron, No. 1, in 100-ton lots, \$14, on track Toronto.

BAR IRON—Trade is still quiet. We quote base price \$1.45 to \$1.55 from stock, and \$1.35 to \$1.45 from factory.

HOOP AND BAND IRON—Trade continues fair. The base figures, however, remain as before. We quote: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—Trade is fair, but without any special feature. We quote: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLANK IRON—Business is just moderate. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—This is about the most active line in metals. Prices are steady. We quote: Queen's Head (case lots), 16 gauge, 3¾c.; 18 to 24, \$3.87½c.; 26, 4¼c.; W. G. 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, \$4; 26 gauge, \$3.75; 22 to 24 gauge, \$3.50. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are ¼c. per lb. higher than figures named.

INGOT COPPER—Quiet and unchanged at 12¾c. per lb. for quantities and 13c. for small lots.

INGOT TIN—Not much doing, but prices rule firm. We quote: Straits, 18½c. per lb.; Lamb and Flag, 19c. per lb.

SHEATHING COPPER, ETC.—Not much doing. We quote: Sheathing copper, 15½ to 16½c., according to weight and quantity; braziers', 15½ to 17½c. per lb., according to gauge.

PIG LEAD—Trade is still steady. We quote: 4 to 4¼c. for imported and 3½c. for domestic.

IRON PIPE—There is a scarcity of iron pipe of Canadian manufacture. Prices rule steady. We quote: Black pipe, per 100 feet, ¼ to ¾

inch, \$2.10; ½ inch, \$2.20 to \$2.30; ¾ inch, \$2.65 to \$2.75; 1 inch, \$3.65 to \$3.80; 1¼ inch, \$4.85 to \$5.05; 1½ inch, \$6.30 to \$6.60; 2 inch, \$8.50 to \$8.75. Galvanized, ½ inch, \$3.87½; ¾ inch, \$4.75; 1 inch, \$6.75; 1¼ inch, \$9; 1½ inch, \$11.50; 2 inch, \$15.12½.

RANGE BOILERS—We quote: Galvanized, 30 gals. \$5.25 to \$5.50; 35 gal., \$6.25 to \$6.50; 40 gal., \$7.25 to \$7.50; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 percent.

CANADA PLATES—There is a demand for small lots. A few import lots are still being delivered. Quotations are as follows: Half-polished, 52-sheet boxes, \$2.35; ditto, 60-sheet boxes, \$2.40; dull, 75-sheet boxes, \$2.50; ditto, "Alaska," \$3.

TIN PLATES—Offers are stiff. The demand is light. We quote: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

COIL CHAIN—Not much doing. We quote: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ¾ in., \$2.80; ¾ in., \$2.75.

TINNED IRON—Quiet. We quote as follows: In case lots for 22 to 24 gauge, and 2¼c. in lesser quantities; cut to size, 24 gauge, case lots, 4¾c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6¼c. for small lots.

SHEET ZINC—The market is higher, and 6¼c. is now the idea for case lots and 6½c. for smaller quantities.

SOLDER—Quiet and steady. Strictly half-and-half, 12½c.; small lots, 13c.; standard, 11½ to 12c. per lb.

ANTIMONY—Quiet. We quote: Cookson's, case lots, 10½c.; smaller quantities, 11c.; other makes, 8½ to 9c.

ZINC SPELTER—Quiet. We quote 5¾c. for ton lots and 5½c. for small quantities.

PAINTS AND OILS.

The fall exhibitions are, as usual, playing their part of disturbing the usual channels of trade but, notwithstanding these interruptions, an amount of business is reported, which may be termed "fair to good." The carriage and furniture factories appear to be busy and their demands are important and of a healthy volume. Despite the fact that receipts of turpentine at Savannah are large, the market continues to advance. The firmness of the market is largely accounted for by a brisk demand from Europe. Locally, prices are unchanged. The demand here is brisk. All lead products are firm and in good request. Ground colors meet with a steady enquiry, and ready-mixed paints are, considering the season, going out in encouraging quantities. Varnishes and japans are receiving some

attention, the steadily advancing market in turpentine creating a strong feeling amongst the manufacturers of varnish. Umbers, siennas, golden ochres and dry colors generally are quiet, without special feature; gold leaf and painters' sundries in fair request. Quotations remain unaltered. We quote:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 49c.; boiled, 1 to 4 barrels, 52c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 48c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

A letter has been received in Toronto from a manufacturer in Belgium stating that he is full of orders, and that he is not, in consequence, at present, prepared to quote prices. It is understood that local jobbers have practically decided to make an advance of 10 per cent., but at the time of going to press negotiations are still pending, so we still quote at the old figures, which are as follows: First break in 50-foot boxes, \$1.60,

and in 100-foot boxes, \$3; double diamond, under 25 united inches, \$4.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL

Prices continue firm and unaltered. The demand is good. We quote as follows: Agricultural scrap, 47½c. per cwt.; machinery cast, 55c. per cwt.; stove cast scrap, 32c.; No. 1 wrought scrap, 40 to 50c. per 100 lb.; No. 2, including sheet iron and hoop iron, 10½c.; new light scrap copper, 7¼c. per lb.; bottoms, 7c.; heavy copper, 7½ to 8c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2c.; scrap rubber, 3½ to 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

HIDES, SKINS AND WOOL

HIDES—The market has steadied somewhat. We now quote: No. 1, 8½c.; No. 2, 7½c.; No. 3, 6½c.; cured, 9¼c.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Shearlings and lambskins continue firm at 60c.

WOOL—Business remains quiet, buyers and sellers still differing as to values. Prices are unchanged at 10c. for unwashed and 16c. for fleece.

PETROLEUM.

A brisk demand is reported. Prices are firm, with an advance of ½c. noted for Sarnia water white. We quote at Toronto: Canadian, 13½c.; Sarnia water white, 15½c.; American water white, 16½c.; Pratt's astral, 16c., in bulk.

COAL.

The scarcity of cars has been somewhat relieved, and there is a big movement reported, as the demand continues brisk. Wholesale prices are unchanged. The retail price in Toronto has been advanced 50c. per ton. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

MARKET NOTES.

Sheet zinc is ¼c. per lb. dearer.

Sarnia water-white oil has risen ½c. in value.

Bertram & Wilson are busy in lumbering and mining supplies.

The retail price of coal has been advanced 50c. in Toronto.

The base price of manilla rope has been reduced to 11½c. per lb.


► An advance of 10 per cent. in window glass is likely to occur next week.

H. S. Howland, Sons & Co. have added lamps to their stock of hardware, and report they are meeting with success.

The McClary Manufacturing Co., Limited, has recently put an enameled steel stove crock upon the market in sizes 8 and 9, which only costs a little more than the ordinary cast iron crock.

W. C. Crawford, Tilbury, Ont., manufacturer of handles, writes that he is in a position to fill all orders promptly, usually, the same day as received. He carries the heaviest stock in Canada, in this line.

76,800 Daily Production.
5 Factories.
5 Brands.
For Sale all over the world.



16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited.

Established 1773.

Manufacturers of **POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS.** Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass," St. Helens. Telephone No. 68 St. Helens.

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BARCLAY'S PATENT "TRIUMPH"

Adjustable Stove Pipe

Can be put up by the most inexperienced.
So constructed that when taken down can be nested and stored in small compass.

Manufactured by

G. B. BARCLAY

168 Adelaide St. W.

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NESTED.



In Crates of 25.

...BRUSHES...

Now is the time to get prices for fall stock of



DANDY BRUSHES

HORSE BRUSHES, Leather Backs

HORSE BRUSHES, Wood Backs

STOVE BRUSHES

Write us for prices and samples, or wait for our travellers.

MEAKINS & CO.

313 St. Paul Street

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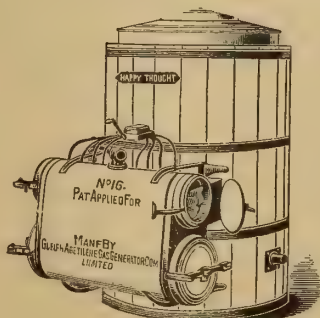
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Perfect Light

Perfect Safety

Our Machine is Automatic. Safe.

Sold only through the local Hardware and Plumbing Trades, etc.

No Peddling.

Write Us.

THE GUELPH ACETYLENE GAS CO.

GUELPH, ONT.

Limited

MANITOBA MARKETS.

WINNIPEG, Sept. 19, 1898.

THE cry is ever the same: Trade is very fair, payments are satisfactory and there is no change in prices. Guns, shells and all the paraphernalia of shooting are in active demand, and will, no doubt, remain so until after the chicken season closes.

Fairchild's immense implement warehouse will be ready for occupation in a few days now.

Below is given revised list of prices:

Barb wire, 100 lb.	\$2 40
Plain twist wire and staples.	3 00
Oiled annealed wire.	10 2 80
"	11 2 90
"	12 3 00
"	13 3 15
"	14 3 30
"	15 3 65
Poultry wire, per 100 feet	55
Wire nails, 30 to 60 dy, keg.	2 35
" 16 and 20	2 40
" 10	2 45
" 8	2 50
" 6	2 65
" 4	2 75
" 3	3 00
Cut nails, 50 and 60 dy.	2 15
" 20 to 40	2 20
" 10 to 16	2 25
" 8	2 30
" 6	2 35
" 4	2 60
" 3	2 85
" 3 fine	3 15
Horse nails, 45 per cent. discount.	
Horse shoes, iron, light, medium and heavy, keg.	3 90
Snow shoes.	4 15
Steel, light.	4 15
" extra light.	5 75
Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	
Tool steel, Black Diamond, 100 lbs.	8 00
Jessop	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge.	3 75
28 gauge.	4 00
Galvanized American, 16 to 24 gauge.	4 00
26 gauge.	4 25
28 gauge.	4 50
Genuine Russian, lb.	12
Imitation	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge	7 50
28 gauge	8 50
Tin plate, IC charcoal, 20 x 28, box	8 50
" IX	10 50
" IXX	12 50
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lbs.	6 50
Broken lots.	7 00
Pig lead, 100 lbs.	4 25
Wrought pipe, black, 1/4 inch.	2 50
" 3/8 inch.	2 75
" 1/2 inch.	3 00
" 3/4 inch.	4 00
" 1 inch.	5 00
" 1 1/4 inch.	7 00
" 1 1/2 inch.	8 50
" 2 inch.	11 50
" Over 2 inch.	65 p.c.
Rope, sisal, 7-16 and larger.	12 00
" 3/4	12 50
" 1/2 and 5-16	13 00
Manilla, 7-16 and larger	13 50
" 3/4	14 00
" 1/2 and 5-16	14 50
Cotton, all sizes, lb.	16
Axes, per box	\$5.50 to 8 00
Screws, flat head, iron	85 p.c.
Round "	77 1/2 p.c.
Flat " brass.	80 p.c.
Round "	72 1/2 p.c.
Bolts, carriage	60 p.c.
Machine.	60 p.c.
Tire.	55 p.c.
Sleigh shoe.	65 p.c.
Rivets, iron.	50 p.c.
Copper, No. 8, lb.	28c.
Spades and shovels.	40 p.c.

Harvest tools.	60 to 60-	10 p.c.
Axe handles, turned, s. g. hickory, doz.		\$2 50
No. 1.		1 50
No. 2.		1 25
Octagon extra.		1 65
No. 1.		1 25
Linseed oil, raw, per gal.		55
boiled		58
Ammunition, cartridges, Dominion R.F.	50	p.c.
Dominion, C.F., pistol.	25	p.c.
" military.	15	p.c.
American R.F.	35	p.c.
C.F. pistol.	35	p.c.
C.F. military.		Net
Loaded shells, Robin Hood, M	\$20 00	
Eley's 12 gauge, M.	16 00	
American, M.	16 20	
Shot, Ordinary, per 100 lbs	6 25	
Chilled.	6 75	
Powder, F.F., keg.	4 75	
F.F.G.	5 00	
Robin Hood	10 00	
Tinware, pressed.	70 and 30	p.c.
Granite ware, according to quality.	50 to 60	p.c.

REVIVAL OF AN ANCIENT JEST.

The ancient jest regarding the ditto sign was revived in Cleveland not long ago, and it loses little of its sparkle because of its age, remarks an exchange.

Into the office of a local manufacturing concern, whose product is wire and wire hardware specialties, an elderly customer from out of town recently stalked.

"This here bill" he remarked, "is wrong. You've added where ye should have subtracted."

"How's that?" inquired the bookkeeper.

"You've got me charged with \$20 when I don't owe you but \$12," replied the stranger.

"But I don't see how you can make that out," said the bookkeeper, as he glanced at the bill. Here's one item of \$16 and another of \$4. That certainly aggregates \$20."

"Well," said the aged party, "I'm perfectly willing to stand by the bill. It's your own bill, you know, and I'll pay ye just what it calls for."

"Well, it calls for \$20."

"Yes, it does added, but not subtracted."

"What in the world do you mean?"

"I mean this," said the aged patron. And he spread the bill flat on the counter. The bookkeeper glanced at it again. These are the items he read: "Sold to Mr. Phineas T. Blank:

4 iron wheelbarrows at \$4\$16
1 wooden do at \$4..... 4

.....\$20

"Kindly tell me," said the bookkeeper, "how you figure that total any lower."

The aged customer's eyes flashed triumphantly.

"Easy" he cried. "Here you've charged me with four wheelbarrows, \$16. That's all right. And then right below you say that one wouldn't do; but instead of taking off the \$4, you add it on. Here's your \$12."

CATALOGUES, BOOKLETS, ETC.

"EVERYTHING IN THE HEATING LINE."

THE above title might fittingly be given to the stove catalogue for 1898-99 issued by The D. Moore Co., Limited, Hamilton, Winnipeg and Vancouver. This book contains illustrated descriptions of the product of The D. Moore Co., and as this company manufactures all kinds of cooking and heating stoves, from a tinsmith's firepot listed at \$2.84, or a camp stove listed at \$2.90, to a "Happy Home" range listed at \$67.50, or Moore's hot-blast furnace at \$83, it may well be said to include everything in the heating line. Some of the ranges and stoves shown are real beauties. Besides their large variety of stoves, etc., this company manufacture a large number of pots, spiders, griddles, kettles, boilers, ovens, pans, stovepipes, trucks, lifters, shovels and boards, pumps, in fact, nearly all the utensils used on or about the kitchen stove. Their catalogue is one of the neatest, best-printed ever received by HARDWARE AND METAL.

STEVENS ARMS AND TOOLS.

The manufactures of the Stevens Arms and Tool Co., Chicopee Falls, Mass., have and deserve a wide reputation, but, though they have been manufacturing arms and tools for 34 years, they have not given the Canadian trade the attention they intend to henceforth. They are now endeavoring to make their goods known throughout Canada, and, to this end, are willing to send hardware dealers, or others, one or both of their fall catalogues. Hardware dealers who have any demand for mechanics' tools, cannot well afford to miss seeing their little booklet, entitled "Shop Pointers and All-steel Tools," containing a description of the calipers, dividers, gauges, bevells, clamps, drills, wrenches, punches, etc., together with prices and illustrations. Some useful tables are given in this booklet. Even more interesting is the catalogue of arms, etc., manufactured by this company. Over two dozen styles of rifles, pistols, and guns are described. Two of the rifles, the "Ideal 44" and the "Favorite", have an excellent reputation for accuracy. They are both moderate in price. This book also contains descriptions of an immense variety of cartridges, bullet-moulds, shells, sights, and the component parts of the Stevens rifles, pistols, etc.

Samuel Siggins, bicycle manufacturer, Woodstock, Ont., has assigned to W. Baird, of Woodstock. He recently claimed a surplus of \$16,500 over liabilities of \$3,500, but it appears that his assets are covered by liens. He has been arrested on a capias, on the charge of concealing goods before the announcement of his failure.

John Bowman Hardware and Coal Co.

180 to 182
York Street

LONDON, ONT.

Headquarters for

SMOKELESS POWDERS

Blue Ribbon Hazard
Schultze Hard Grain
Gold Dust . . .

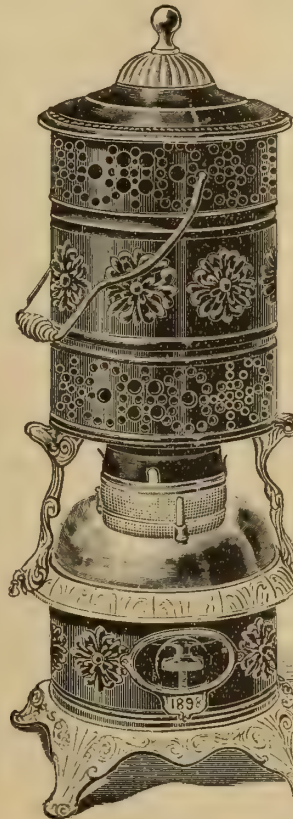
Also full line

New Guns
Sporting Goods
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Large Stock, Prompt Shipment, Close Prices.

Established 1860.

Incorporated 1895.



THIS IS A HOT ONE

The "New
Process"

Oil Heater

Is pretty enough for the parlor, and light enough to be carried from cellar to attic. Will do the work of any \$10.00 Heater, and could be retailed at nearly half that price.

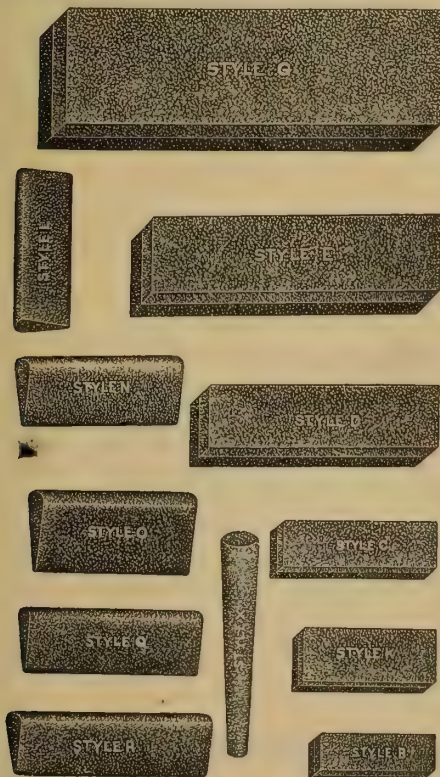
Not necessary to carry half a dozen makes and sizes in stock. The "New Process" answers all purposes.

The Thos. Davidson
Mfg. CO., Limited

MONTREAL

GENTLEMAN REPRESENTING HIGH-CLASS Hardware firms in the Dominion of Canada and Newfoundland, and having central offices at Toronto desires additional agencies. Highest references given. Will be pleased to correspond on the matter. Address, J. LISTER NICHOLS, 9½ Adelaide Street East, TORONTO. (39)

EMERY OILSTONES and ... SLIPS



COOKE HARDWARE CO., Hamilton.

Fishing Tackle.



ALLCOCK'S STAG BRAND

goods are the best. When you buy from us you buy from the largest makers and oldest house in England. Established 1800.

TRADE MARK

The Allcock, Laight & Westwood Co., Limited
73 Bay Street, TORONTO, and
REDDITCH, ENGLAND.

Sole wholesale selling agents for THE DOMINION
HAMMOCK MANUFACTURING CO., Paris, Ont.

ADAM HOPE & CO.

30 John Street, - Hamilton

OFFER TO THE TRADE

"Hope's Old Method"

CHARCOAL TIN PLATES

Made from Real and Pure Charcoal Iron, heavily tinned, the only reliable brand in the market.

— also —

COKE and TERNE PLATES
CANADA PLATES

HALF POLISHED
ALL POLISHED

Please write for prices, as we employ no Travellers.

ROOF'S FOR THE KLONDIKE



SHEET STEEL BUILDING MATERIALS

are now being largely used for all classes of buildings, and, as these goods are bound to be an important department of every Hardware and Tin Shop in the Dominion, we take this opportunity of asking you to write us regarding prices to the Trade.

Our goods are **THE BEST** on the market, and our prices meet any competition.

The Pedlar Metal
Roofing Co.

OSHAWA, ONTARIO.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

C J. CHISHOLM has been appointed provisional liquidator of The Three Rivers Iron Works Co., Three Rivers, Que.

Wm. Bousquet & Co., coal dealers, St. Hyacinthe, Que., have assigned.

Fred Kennedy, general merchant, Douglstown, Que., is offering to compromise.

Benj. Hill, contractor, Rossland, B.C., has satisfied a chattel mortgage for \$400.

J. A. Pelletier, general merchant, Riviere Ouelle, Que., is offering 45c. on the dollar.

M. J. Bowles, general merchant, Windsor Mills, Que., is offering 35c. on the dollar.

Francois Belanger, general merchant, Ville Marie, Que., has compromised at 50c. on the dollar.

A meeting of the creditors of Hector Lescatre, general merchant, Grand Mere, Que., will be held on the 24th inst.

PARTNERSHIPS FORMED AND DISSOLVED.

F. W. Weir, hardware merchant, Winnipeg, has admitted Hugh Jephson into partnership.

F. H. Andrews & Son, dealers in oils and factory supplies, Quebec, have dissolved, and a new firm has been formed under the old style, with F. H. Andrews and Maria B. Andrews as proprietors.

SALES MADE AND PENDING.

The balance of the assets of Adolphe Lebeau & Co., contractors, Montreal, have been sold.

The assets of the W. R. Gardner Tool Co., Limited, Sherbrooke, Que., are advertised for sale by tender.

CHANGES.

George Hedden, tinsmith, Selkirk, Ont., has sold out to J. H. Rowe.

Andrew Lee, tinsmith, North Bay, Ont., has sold out to Richardson & Co.

Eduard Denis, general merchant, Rigaud, Que., has sold out to Wolfe Seidon.

D. Gibson, implement dealer, Souris, Man., has sold out to Curry & Burland.

Thos. Hemphill, hardware dealer, Wroxteter, Ont., has sold out to R. S. Gibson.

C. J. Vizard, general merchant, Malone, Ont., has been succeeded by W. D. Nickle.

Harris D. Keswick, general merchant, Hartland, N.B., has moved to St. Leonards, N.B.

The Page-Hersey Iron and Tube Co., Limited, Montreal, is applying for incorporation.

A. M. Paterson, general merchant, Molesworth, Ont., has been succeeded by Michael McKee.

C. A. Elsley, general merchant, Windham Centre, Ont., has been succeeded by T. L. Poole.

W. A. Day, general merchant, Port

Stanley, Ont., has been succeeded by Walter M. Mitchell.

D. Mahoney & Co., general merchants, Keswick, Ont., have been succeeded by D. Van Norman & Co.

Poustie, Stewart & Burgess, general merchants, Aylmer, Ont., have been succeeded by Poustie & Leeson.

DEATHS.

Nicholas Ouellett, tinsmith, etc., St. Anne de la Pocatiere, Que., is dead.

THE ... UNRIVALLED



Brilliant St. Antoine

METAL POLISH.

Free from acids.

Most useful for household articles, musical instruments, jewellery, harness, etc. Highly recommended by fire brigades, railway and steamship companies.

SEND FOR QUOTATIONS.

Also manufacturers of Mucilage, Ink and the famous **St. Antoine Cement** for glass and china ware.

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Oil and Artesian Well
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Manufacturers of

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a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.

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Quotations gladly given.

STEEL STAMPS, STEEL LETTERS AND FIGURES, BURNING BRANDS, STENCILS.

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HAMILTON, ONT.

The Portland Rolling Mills Co., Limited

Manufacturers of

Refined Bar Iron
Railway Spikes
Pressed Spikes
Nails and Tacks
"Diamond" Brand Horse Shoes
ST. JOHN, N.B.



"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO. HESPELER, ONT.

DECORATED WITH CANADIAN PAINT

FROM the main entrance, on Adelaide street, to the dressing rooms, the Grand Opera House, Toronto, has been so thoroughly overhauled and redecorated that old-time habitués are delighted with the beauty and completeness of the transformation. All the outside has been repainted in terra cotta. The facade of the main entrance has undergone rich and chaste embellishment, and the entrance itself is decorated in Italian renaissance. The walls are painted in clouded effects of green and are divided by coupled pilasters, with capitals in gold, between which palm leaves in solid gold dazzlingly reflect the incandescent lights. The entrance ceiling, divided into panels, ornamental mouldings and reliefs, is quite a work of art. In the four corners of the central panel are figure subjects representing comedy, tragedy, music and dancing, while the cornices, brilliant in ivory and gold, are elaborate and ornate. The foyer is in harmony with the main entrance, showing the general scheme of the coloring to be cream and gold.

The auditorium shows a great improvement. The walls are in a deep tone of claret, broken by capitals solidly gilt. To give effect to the elaborate system of lighting by the innumerable circles of electric lights, the entire ceiling of the auditorium is done in heavily coppered paneling, with golden enrichments. The proscenium arch, with the new drop curtain, is a dream of beauty and shows wonderful conception and delicate workmanship on the part of the artists. The painting on the arch is from the brush of Gustave Hahn, and is a bewildering and enjoyable representation of the "Wars of the Roses." Not, of course, in a tragic and bloody sense, as of old time in Yorkshire and Lancashire, but a rich and playful riot of flowers as between cupids, cherubs and classical figures. Mr. Drake, the scenic artist, is responsible for the drop curtain, which is an ideal scene on Lake Lugano, in Italy. This scene unfolds a most wonderful and striking panorama, and the technique and coloring are especially good.

It may be mentioned that the whole of this genuinely artistic work has been "personally conducted," as Cook would say, by William H. Elliott, of King street east, Toronto. The decorating material was furnished exclusively to Mr. Elliott by The Canada Paint Company, Limited, from their Toronto branch, the colors and pigments being the production of their works in Montreal.

Sibbald & Co., general merchants, Winnipeg, Man., have sold their stock to T. Finklestone at 67 1/2 c. on the dollar.

A WORD about Tools and Axes.

We combine in our edge tools every desirable feature that would go to make a perfect article.

RESULT: There are no mechanics' Tools or Axes on the Canadian market equal to Warnock's. Specify "Warnock's."

James Warnock & Co., Galt.

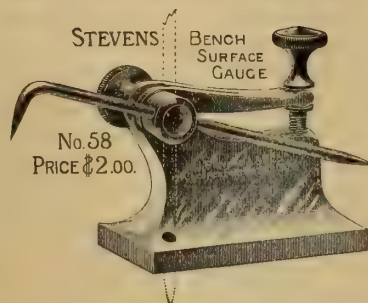
Henderson & Potts

NOVA SCOTIA PAINT AND VARNISH WORKS.

Sole Agents for the Dominion for



HALIFAX, N. S., and 747 CRAIG STREET, MONTREAL.

STEVENS ...FINE TOOLS

We make a perfect line of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.

P.O. Box 216

Chicopee Falls, Mass., U.S.A.

Carried by our representatives at Toronto and Montreal.

THE

New White Metal Polish

"Nanon"

The Queen of Polishes.

Imparts instantaneously a dazzling and lasting

BRILLIANCY

to Brass, Tin, Nickel, Zinc, Gold, Silver, etc. Free from grit or emery, and will not scratch the finest surface.

Samples on Application.

LAMPLOUGH & McNAUGHTON

Montreal

Sole Agents for Canada.

The Canadian Mining Exhibit Co., Limited

Will give you any information in reference to Mines or Minerals found in your district.

Assays made by their own Assayers

If you have or know of any Minerals you do not know the value of, send Samples to us, and we will let you know whether it is worth anything to you.

Mining Properties Valued by Experts

THE

CANADIAN MINING EXHIBIT CO., Limited

650 Craig Street

... MONTREAL.

HEATING AND PLUMBING

AMERICAN HEALTH ASSOCIATION.

THE local committee of arrangements are busy at work in connection with the coming congress of the American Public Health Association, which meets in Ottawa on September 27, 28, 29 and 30.

The work of the association, since its organization in 1872, more than justifies its existence. The impetus given by the association to plumbing and sanitary matters in the past, has linked the interests of all up-to-date sanitary engineers all over the country. Its membership has been augmented, from year to year, until it now constitutes the largest and strongest sanitary body in the world, embracing, in territorial extent, the United States, the Dominion of Canada and the Republic of Mexico.

In connection with the various papers to be brought before the coming congress, Mr. Hughes, one of Montreal's prominent plumbers and sanitarians, has been appointed, in connection with others, to supervise the preparation of a paper on sanitary questions.

It is not out of the question to recall the great success of the Montreal meeting, of the same association, in 1894. As Canadians, we would wish the same success to be repeated this year in the capital of the Dominion.

AN ONYX LAVATORY.

The appearance of the showrooms of The James Robertson Co., Limited, has been greatly improved by the placing therein of the beautiful onyx lavatory which they had on exhibition at the Toronto Industrial. Every part of the whole lavatory, except the connections, is made of Mexican onyx, a most beautiful stone. The connections are silver plated. The value of this washbasin is placed at \$225.

BUILDING PERMITS IN TORONTO.

THE following building permits have been issued in Toronto this week : Gibb & Bros., for a two storey brick store at 1,174 Yonge street, to cost \$1,250; to the Salvation Army, for a five storey addition to the Temple, at the corner of James and Albert streets, to cost \$1,800; to Mrs. Robt. Jaffray, for a two storey brick addition to stores at 622 to 624 Queen street west, to cost \$1,600; to J. W. Gray, for foundation and alterations to residence 22 Carlton street, to cost \$1,000; to M. H. Macleod, for a two storey and attic residence at Margarett street, on the north side

Leopold street, to cost \$3,000; to W. I. Joyce, for a two storey and attic residence on Brunswick avenue near Ulster street, to cost \$2,000; to J. H. McNairn, for a three storey residence on the west side Callandar street near Harvard, to cost \$4,700; to Jas. McLenaghan, to raise three houses, 95, 97 and 99 St. Patrick street, three feet, and to place foundations under them, at a cost of \$800; to the estate of Jos. Murray, for alterations to warehouse at 40 Wellington street east, to cost \$2,000.

PLUMBING AND HEATING CONTRACTS.

MASHINTER & CO., Toronto, have contracts for the plumbing in a stable on Sherbourne street for S. F. McKinnon, and for plumbing and gas-fitting in two stores on Queen street west for Mrs. Robt. Jaffray, Toronto.

The John Ritchie Plumbing and Heating Co., Limited, Toronto, have contracts for plumbing, gas-fitting and heating a residence for C. H. Newman, Rosedale.

Blouin, Desforges & Latourelle, Montreal, have the contract for placing the low pressure steam heating in St. Cryostum church, and hot water heating in the sacristy; the steam heating of St. Joseph's College, Granby; the heating of the residence of A. Robert, Granby; the heating of two stores on St. Catherine street and one on St. Lawrence belonging to M. Robillard.

N. Laporte & Son, Montreal, have the contract for supplying one large range, 42 ft. long, at Longue Pointe Asylum; one 7-ft. range for the Convent of St. Ursula, near Wiseville; one 7-ft. range for the Christian Brothers' College at St. Johns de Iberville.

THE PLUMBING SCHOOL.

A meeting was called for Friday evening, the 23rd inst., for the purpose of making arrangements to open up the plumbing

school, Montreal. The opening takes place on October 1 this year, one month earlier than last year.

NEW HEATING SYSTEM.

Feek & Phillips have been engaged for the last two months in putting in a new system of heating at the Royal hotel, Guelph. The plant, consisting of two Gurney "Bright Idea" tubular boilers, working automatically, and Gurney radiators, is now in position, and a most satisfactory test was made this week, the whole system working in perfect order, and without the cracking and snapping noise that usually accompanies steam heating. This improvement has been made by an idea worked out by Mr. Philips. The system is so arranged that the whole plant can be worked by one or two boilers, as required.

PATENT REPORT.

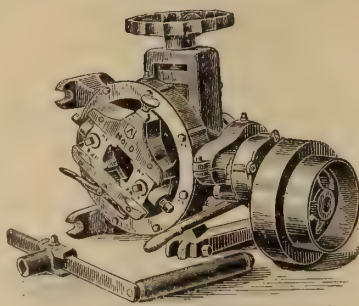
Below will be found the only complete list of patents granted this week, by the United States Government, to Canadian inventors. This report is prepared specially for this paper, by Marion & Marion, solicitors of patents and experts, New York Life Building, Montreal. Nos. 610,622, Edward J. Chambers, Woodstock, Canada, metallic tire wheels; 610,581, Robert Fletcher et al, Toronto, stove; 610,623, Phillip C. Folwell, Toronto, automatic cut-off for gas burners; 610,542, Frank P. Keesee, Toronto, vending machine; 610,548, Emilien A. Manny et al, Beauharnois, canal lock; 610,635, Alexander McKay, Montreal, dust-tight sifter for asher; 610,629, Elijah M. Miers, Palmerston, Canada, wheel hub; 610,879, William H. Nesbitt, Roland, Canada, nut lock; 610,612, John J. Setter, Poplar Point, Canada, machine for burning seeds of noxious weeds; 610,613, William S. Shaw, Bracebridge, Canada, leather-dressing machinery; 610,694, Lewis H. Slaght et al, Waterford, Canada, lawn mower; 610,614, William S. Smith, Toronto, bicycle saddle; 610,779, William T. Watson, Victoria, Canada, car fender.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.



No. 0 Threading Machine, with power attachment.

THE ARMSTRONG MFG. CO.

New York Office.
139 Centre Street

Bridgeport, Conn.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

PATENTS PROMPTLY SECURED

Write today for a free copy of our interesting books "Inventors' Help" and "How you are swindled." We have extensive experience in the intricate patent laws of 50 foreign countries. Send sketch, model or photo for free advice. **MARION & MARION, Experts,** New York Life Building, Montreal, and Atlantic Building, Washington, D. C.

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.
Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
Wholesale trade only.

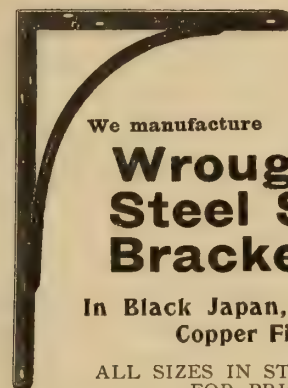
JMT VALVES

TRADE
JMT
MARK

Look for
this Trade
Mark on
every valve.

FIRST in Quality
Workmanship and
Design

THE JAS. MORRISON BRASS MFG. CO.
TORONTO Limited



We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and Copper Finish.

ALL SIZES IN STOCK. SEND FOR PRICES.

H. R. IVES & CO., Montreal.

HEADQUARTERS for

Syracuse Babbit Metal, Plumbers' and Tin-smiths' Solder, Pig Tin, Pig Lead, Ingot Copper, Ingot Brass, Phosphor Tin and Aluminum.

SYRACUSE SMELTING WORKS

Factory: 332 William Street
MONTREAL

All kinds Scrap Metal taken in exchange.

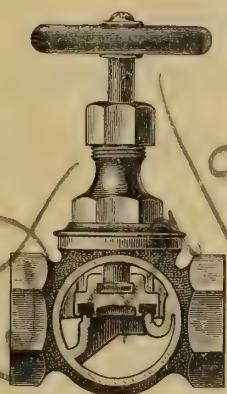
Factory: SYRACUSE, N.Y.

FAIRBANKS STEAM SPECIALTIES...

Asbestos Disk Valves

In BRASS and IRON

Angle,
Globe,
Corner
Radiator.



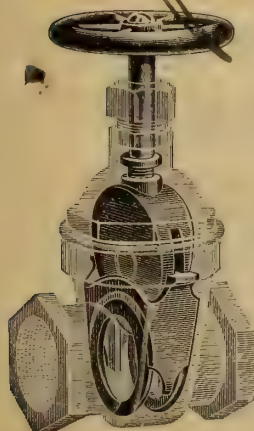
Asbestos Ring Gate Valves

They are renewable also, and come in all sizes and styles.

Asbestos Packed Cocks

For Boiler Blow-offs.

For all hard usage Vulcabeston Packing, for steam, acid or gas. In sheets, rope, pressed shapes and gaskets.



If anyone comes into your store and wants a valve—a real valve that will be tight—just tell him about the

FAIRBANKS ASBESTOS DISK VALVE

The cut shows it: The Brass Holder contains a vulcanized Asbestos Disk that won't crack or flake, and the valve can be renewed by slipping a new disk over end of spindle.

Write for Catalogue.

These goods, like Fairbanks Standard Scales, are of the highest possible quality.

SEND FOR PRICES OF FAIRBANKS FARMERS' SCALES.

The FAIRBANKS COMPANY

749 Craig Street. Montreal.

COLLECTING PLUMBERS' BILLS.

IT is doubtful if any class of tradesmen have as much difficulty in convincing their customers that their charges are just and reasonable, as does the plumber, writes "Collector" in Metal Worker. Newspaper jokes about plumbers' bills are as old as the plumber himself, but about the bills he is never able to collect no mention is ever made; possibly because "it is no joke." So much alleged funny stuff has been written about the plumber's ability and willingness to make exorbitant charges and defraud in every possible way that people as a rule have come to believe that he is little better than a pirate, and that every plumber's bill they pay is just about one-half in excess of what it ought to be. The fact that few people have any idea of the cost of plumbing supplies also adds to the plumber's burden. The average man knows about what old scrap iron is worth, and estimates the value of everything made of iron on that basis.

How to collect promptly from constitutional kickers and those who are notoriously slow, without giving offense is a problem every plumber would like to solve. As people vary in their likes and dislikes, no rule can be laid down which will prove applicable in every instance. A bill should be made out and presented as soon as the job of work is completed, even if there is an understanding that it is not to be paid at that time. This gives the party having the work done an opportunity to make his complaint (if he intends to make one) while all the details are fresh in the mind of the plumber. If he expresses satisfaction with both the work and the charges at that time he is not so liable to manufacture an excuse for not paying when the time for payment comes. When a bill is presented for payment, and more time is asked for, it is a good idea to find just when the customer can and will pay; to have some definite time agreed upon when the plumber can expect to get his money, and when that time comes let him act as if he expected to get it.

When payment is refused it is always better to act disappointed than angry, for many people are on the lookout for an excuse for not paying at all, and things sometimes said while out of patience with such people furnish splendid material for making an excuse. While it is not always an easy task it is much better to act surprised if a bill is not paid when presented than to appear so when it is. Another good rule to observe in connection with the collection of accounts, as well as all others, is the "golden rule." Let the plumber pay his own bills in the community as promptly as possible, and without any senseless or unnecessary parleying. In this way he will gain the reputation

of being just and reasonable, which will be a help to him in other ways besides helping him in making collections.

EARLY THANKSGIVING DAY WANTED.

Editor **HARDWARE AND METAL**,—In response to your invitation to the trade in this week's **HARDWARE AND METAL** to discuss the question of the date for Thanksgiving Day, it seems to me that an earlier date than we have hitherto had would be an improvement. The latter part of November is generally stormy, muddy and uncomfortable, and, as the almost universal practice is to observe "Thanksgiving" by family reunions, and similar gatherings, a more desirable time would be the latter part of October. Why the time has heretofore been fixed so late I do not comprehend, unless it was simply following our United States neighbors, and this is not always the best thing to do. We are old enough to strike out our own furrows, and in this case it would certainly be better than the old rut. As to the date coming at a busy time for the trade, it is generally a busy time from now to Christmas, but when a merchant closes his store, he likes to be able to take full advantage of the holiday, and get away from the scene of his work, and this he can do much more pleasantly in October than in November. Of course, the turkeys must be consulted, because they would have to start earlier or grow faster, or both, in order to meet the changed condition of things, but, no doubt, they could be prevailed upon to begin their courting a month earlier to accommodate the public. Yes, all things considered, Mr. **HARDWARE AND METAL**, let us agitate for an earlier Thanksgiving.

JOHN T. JAMES.

Bridgeburg, Ont., Sept. 16.

TO GUARD AGAINST DEAD BEATS.

In not a few of the leading New York markets a rule prevails which, if generally adopted, would lessen the risks involved in credit giving, says an exchange. Prior to giving credit the applicant is expected to fill up a blank sheet containing searching questions as to his or her property, income and references. If this is satisfactorily executed and the subsequent investigation sustains the various answers, an account is opened. On the blank form a footnote appears which informs the applicant that the questions are purely business ones, and on the same principle as that adopted by wholesale houses toward their retail customers.

Benj. N. Mattinson, general merchant, Spring Hill, N.S., has sold out his general store business to A. B. Wilson & Co.

THE CANADA **PAINT** COMPANY LIMITED

**FOR
HIGH
CLASS
DECORATING
COLORS
WRITE**

THE CANADA **PAINT** COMPANY LIMITED

**FOR
HIGH
GRADE
COACH
CAR
FURNITURE
AND
FINISHING
VARNISHES
ADDRESS**

THE CANADA **PAINT** COMPANY LIMITED

**MANUFACTURERS,
MONTREAL
TORONTO
VICTORIA.**



**LARGE STOCKS
QUICK DESPATCH.**

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Marline
Houseline
Hambroline
Clotheslines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Halyards
Deep Sealine
Ratline
Plow Lines

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

MONTREAL, QUE.



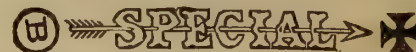
WADE & BUTCHER,
SHEFFIELD, ENGLAND.



OR



OR



FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY and FANCY GOODS

JAMES HUTTON & CO., Agents, - - Montreal

CURRENT MARKET QUOTATIONS

September 23, 1896

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—			
56 and 28 lb. ingots, per lb.	0 00	0 19	
Straits	0 00	0 18½	

Tin Plates.

Charcoal Plates—Bright.

M.L.S., equal to Bradley.	Per box.	
I.C., usual sizes	\$5 00	
I.X.	6 25	
I.X.X.	7 50	

J. R. & Co.—

I.C.	4 75	5 00
I.X.	6 00	6 25
I.X.X.	7 25	7 50

Famous—

I.C.	5 00	
I.X.	6 25	
I.X.X.	7 50	

Raven & Vulture Grades—

I.C., usual sizes	3 50	
I.X.	4 25	
I.X.X.	5 00	
I.X.X.	5 75	
D.C., 12"x17	3 00	
D.X.X.	3 75	
D.X.X.	5 75	

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Bessemer Steel—		
I.C., usual sizes	3 00	
I.C., special sizes, base..	3 15	
20x28	6 00	6 25

Charcoal Plates—Terne.

Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	6 00	
I.X., Terne Tin	7 50	
I.C., Orion	6 00	
I.X., Orion	7 25	7 50

Charcoal Tin Boiler Plates.

Cookley Grade—	Per lb.	
A. X., 14x56, 50 sheet bxs	0 05¾	0 06
14x60		
14x65		

Tinned Sheets.		
72x30 up to 24 gauge	0 05¾	0 06
26	0 06¾	0 06¾
28	0 07	0 07¾

Iron and Steel.

Common Bar, per 100 lbs	Base Price	
" from factory	1 50	1 60
Refined	1 40	1 45
Horse Shoe	1 30	1 40
Band	1 85	2 00
Hoop	0 00	0 00
Swedish	4 00	4 25
Sleigh Shoe Steel	2 50	
Tire Steel	2 50	
Machinery	2 50	2 75
Cast Steel, per lb	0 10	0 14
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	0 20	0 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 06¾	
2 "	0 07¾	
2½ "	0 09¾	
	0 11	

Steel Boiler Plate.

3-16 inch	2 00	
"	1 90	

¾ inch and thicker..... 1 75

Sheet Iron.

16 gauge and heavier	2 50	2 70
18 to 20 gauge	2 25	2 50
22 to 24 "	2 25	2 35
26 "	2 35	2 45
28 "	2 45	2 55

Canada Plates.

All dull, 52 sheets	2 25	
Half polished	2 35	
All bright	3 00	

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ¾ inch, \$2.10; ½ inch, \$2.20 to \$2.30; ¾ inch, \$2.65 to \$2.75; 1 inch, \$3.65 to \$3.80; 1¼ inch, \$4.85 to \$5.05; 1½ inch, \$6.30 to \$6.60; 2 inch, \$8.50 to \$8.75.

Galvanized, ½ inch, \$3.87½; ¾ inch, \$4.75; 1 inch, \$3.75; 1¼ inch, \$9.00; 1½ inch, \$11.50; 2 inch, \$15.12½.

Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p. c.

Galvanized Iron.

	Gordon	Queen's	
	Comet.	Crown.	Head.
16 gauge	3 75	3 75	4 00
18 to 24 gauge	3 25	3 50	4 00
26 "	3 50	3 75	4 25
28 "	3 75	4 00	4 50

Chain.

Proof Coil, 3-16 in., per 100 lbs	25	
" ¼ "	4 65	
" 5-16 "	3 75	
" ¾ "	3 25	
" 7-16 "	2 85	
" 1½ "	2 75	
" 2 "	2 63	
Trace, per doz. pairs	3 60	5 90
Jack chain, iron, single, per doz. yards.	0 13	0 50
Jack chain, double, per doz. yards		0 15
Jack chain, brass, single, per doz. yards	20	10

Copper.

Ingot	0 12¾	0 13
English B. S., ton lots		
Lake Superior		
Bolt or Bar		
Cut lengths, round, ½ to ¾ in.	0 20	0 22
" round and square		
1 to 2 inches	0 19½	0 20

NOTE.—Complete, lengths about 15 feet from 18½ to 19 cents a pound.

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 15	0 16
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 15	0 16½
NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.		
Planished and tinned, 14x48 and 14x60	0 25	0 27

Braziers. (In sheets.)

4x6 ft. 25 to 30 lbs. ea., per lb.	0 17	0 19
" 35 to 45 "	0 15½	0 16½
" 50 lb. and above, "	0 15	0 16

Boiler and T. K. Pitts.

Plain Tinned, per lb	0 21	
Spun, per lb	0 25	

Wire.

Pure, in coils—		
From 1 to 20 gauge, 12½ p.c. off list.		
From 20 gauge up, 12½ p.c. off list		

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 30 p.c. off list.		
Sheets, hard-rolled, 2x4	18	0 20
Tubing, base, per lb	0 20	0 22

Zinc Spelter.

Foreign, per lb	0 05¾	0 05¾
Domestic	0 04¼	0 04¼

Zinc Sheet.

5 cwt. casks	0 06¼	
Part casks	0 06½	

Lead.

Imported Pig, per lb	4 to 4½	
Domestic, per lb	0 03½	
Bar, 1 lb.	0 05	

Sheets, 2½ lbs. sq. ft., by roll. 0 05½ 0 06

by roll. 0 05 0 05½

NOTE.—Cut sheets ½ cent per lb. extra. Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 25 per cent. discount.

NOTE.—Cut lengths, net price, waste pipe. in 8-ft. lengths, lists at 7½ cents.

Solder.

Bar half-and-half	Per lb.	Per lb.
Standard	0 12	0 13
Wire	0 12	0 12

NOTE.—Prices of this grade according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 10½	0 11
Other makes, per lb	0 08	0 08½

White Lead.

Pure, Assoc. guarantee, ground in oil,	Per cwt.	
25 lb. irons	5 75	
No. 1 do	5 37½	
No. 2 do	5 00	
No. 3 do	4 62½	
No. 4 do	4 25	

Munro's Select Flake White..... 6 00

Elephant and Decorators' Pure..... 5 75

Brandram's B. B. Genuine..... 7 75

James genuine..... 7 00

" No. 1..... 6 95

" No. 1..... 6 45

White Zinc Paint.

Elephant Snow White.....	0 07	
Pure White Zinc.....	0 07	
No. 1.....	0 06¾	
No. 2.....	0 05½	

Dry White Lead.

Pure, casks.....	0 04½	
Pure, kegs.....	0 04¾	
No. 1, casks.....	0 04½	
No. 1, kegs.....	0 04½	

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)		
Pure, per gallon	1 00	
Second qualities, per gallon	0 90	
Barn (in bbls.)	0 70	0 90
The Sherwin-Williams Paints	1 20	
Canada Paint Co's Pure	1 00	1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)		
Venetian Red, per lb	0 07	
Chrome Yellow	0 11	
Golden Ochre	0 06	
French	0 05	
Marine Black	0 09	
" Green	0 09	
Chrome	0 08	
French Imperial Green	0 19	

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt	2 75	
Yellow Ochre (Royal), per cwt	1 10	1 15
Brussels Ochre	2 00	
Venetian Red (best), per cwt.	1 80	1 90
English Oxides, per cwt.	3 00	3 25
American Oxides, per cwt	1 75	1 90
Canadian Oxides, per cwt.	1 75	1 90

Burnt Sienna, pure, per lb..... 0 10

" Umber, "..... 0 10

do. aw "..... 0 09

Drop Black, pure..... 0 09

Chrome Yellows, pure..... 0 18

Chrome Greens, pure, per lb..... 0 12

Golden Ochre..... 0 03¾

Ultra marine Blue in 28-lb. boxes, per lb..... 0 08

Fire Proof Mineral, per 100 lb..... 1 00

Genuine Eng. Litharge, per lb..... 0 07

Mortar Color, per 100 lb..... 1 25

James' Gen. Red Lead, 100 lb..... 0 04¼

Pure Indian Red, No. 45, lb..... 0 08

Whiting, per 100 lb..... 0 50

Paris Green.

Pure, in bbls.	0 16¾	
250 lb. casks.....	18½	
50 lb. drums.....	17	
1 lb. packages.....	18	
¾ lb. ".....	19½	
¼ lb. ".....	21½	
1-lb. tins.....	0 18½	

Sulphate of Copper.

Casks, for spraying, per lb.....	0 04¾	
100-lb. cases, do. per lb.....		

Putty.

Bladders in bbls.....	1 80	
Bladders in 100 or 200 lb. kegs or bxs	1 95	
Bulk in bbls., per 100.....	1 65	
Bulk in less quantities.....	1 80	
25-lb. tins, 4 in case.....	2 05	
12½-lb. tins, 8 in case.....	2 30	

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London Gulph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In bbls.)	per gal	
Carriage, No. 1	1 50	
Extra do.	2 50	
Body Varnish	4 50	
Furniture Varnish	0 65	
Extra do.	0 90	
Demar Varnish	1 60	
Hard Oil Finish	1 40	
Orange Shellac Varnish	2 00	
White Shellac	2 20	
Rubbing Varnish	2 50	
Polishing Varnish	2 50	

Linseed Oil.

Raw, per gal. net.....	0 48	
Boiled, per gal. net.....	0 51	
Outside points 1c. more than above figures		

Turpentine.

1 to 4 barrels, net.....	0 47	
Outside points 1c. more		

Castor Oil.

In cases, per lb.....	0 10½	
Small lots.....	0 11½	

Cod Oil, Etc

Cod Oil, per gal.....	0 50	0 55
Pure Olive.....	1 20	
" Neatsfoot.....		

Glue.

(In bbls.)	0 08½	0 09
Common	0 12	0 13½
French Medal	0 11	0 12
Cabinet, sheet.....	0 16	0 18
White, extra	0 22	0 30
Gelatine	0 16	0 18
Strip	0 19	0 20
Coopers	0 09	
Al clear.....		

Central Fire Cartridges, pistol sizes, Dom 30 per cent.		
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.		
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent.		
Am. " "		
Red and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.		
Shot.		
Canadian, common, 7½ per cent.		
Brass Shot Shells, 55 and 10 per cent		
Primers, Dom., 30 per cent.		
Wads.		
Best thick white felt wadding, in ½-lb bags.....	per lb	1 00
Best thick brown or grey felt wads, in ½ lb. bags.....		0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges.....		0 99
Best thick white card wads, in boxes of 500 each, 10 gauge.....		0 35
Best thick white card wads, in boxes of 500 each, 8 gauge.....		0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges.....		0 20
Thin card wads, in boxes of 1,000 each, 10 gauge.....		0 25
Thin card wads in boxes of 1,000 each 8 gauge.....		
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M.	
11 and smaller gauge.....		0 70
9 and 10 gauges.....		0 90
7 and 8 gauges.....		1 10
5 and 6 gauges.....		
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—		
11 and smaller gauge.....		1 15
9 and 10 gauges.....		1 40
7 and 8 gauges.....		1 65
5 and 6 gauges.....		1 90
Anvils.		
Per lb.....	0 10	0 12½
Anvil and Vice combined.....		4 50
each.....		
Wilkinson & Co.'s Anvils, lb. 09.....	09	0 09½
Wilkinson & Co.'s Vices, lb. 09¾.....	09¾	0 10
Augers.		
Gilmour's, discount 65 p.c. off revised list.		
Hollow Stearn's, per dozen.....	13 00	20 00
Adjustable Stearn's, each.....	4 50	6 50
Post-hole, Vaughan's, each.....	60	90
Excelsior, Jennings', discount 50 per cent.		
Awls.		
Sewing, per gross.....	0 65	1 59
Pegging, ".....	0 65	1 25
Brad, ".....	0 85	1 60
" handled, per gross.....	3 60	30
Saddler's, per gross.....	0 45	1 60
Awl Hafts.		
Patent Peg, per gross.....	7 25	8 00
" Sewing, per gross.....		
Awl and Tool Sets.		
Miller's Falls, per doz.....	2 80	3 30
AXES.		
Splitting Axes.....	5 25	5 50
Chopping Axes—		
Single List, per doz.....	6 00	12 00
Double List, ".....	11 00	18 00
Bench Axes, 40 and 10 p.c.		
Axle Grease.		
Per gross.....	6 00	13 00
Bath Tubs.		
Zinc, discount.....	3 90	4 00
Copper, discount, 40 and 10 p.c. off revised list.		
Steel clad, 20 per cent. discount off revised list		
Boxing extra		
Anti-Friction Metal.		
"Tandem" A.....	per lb.	0 19
" B.....		0 16
" C.....		0 10½
Magnolia Anti-Friction Metal, per lb.....	0 25	
No Name Metal.....	0 15	
Mystic Metal.....	0 10	
F. O. B. New York or Chicago.		
Bells.		
Hand.		
Brass, 60 per cent.		
Nickel, 55 per cent.		
Door.		
Gongs Sargent's.....	5 50	8 00
Peterboro', discount 50 per cent.		
Cow.		
American make, discount 66½ per cent.		
Canadian, discount 45 and 50 per cent.		
Farm.		
American, each.....	1 25	3 00
House.		
American, per.....	0 35	0 40
Bellows.		
Hand, per doz.....	3 35	4 75
Moulders', per doz.....	7 50	10 00
Blacksmiths', discount 60 per cent.		
Beltng.		
Extra, 45 per cent.		
Standard, 45 and 10 per cent.		
Agricultural, 60 and 10 p.c.		
Bench Stops.		
Per doz.....	5 00	6 00
Bits.		
Auger.		
Gilmour's, discount 65 and 5 per cent.		
Excelsior, discount 60 per cent.		
Rockford Common, 70 to 70 and 10 per cent.		
" Perfection, 50 and 10 per cent.		
Jennings' Gen., net list to 5 p.c. discount.		
Car.		
Gilmour's, 47½ to 50 per cent.		
Expansive.		
Clark's 40 per cent.		
Excelsior, 10 per cent.		

Gimlet.		
Clark's, per doz.....	0 65	0 90
Diamond, Shell, per doz.....	1 00	1 50
Nail and Spike per gross.....	2 25	5 20
Blind Rollers.		
Annex, per doz.....	1 25	1 75
Mascotte, ".....	1 35	1 85
Erminie, ".....	1 00	0 90
Blind and Bed Staples.		
All sizes, per lb.....	7¼	0 12
Bolts.		
Carriage, dis., 60 and 10 to 70 p.c.		
Tire, dis., 70 and 5 per cent.		
Stove dis., 70 per cent.		
Elevator, dis., 35 to 40 per cent		
Machine, dis., 70 p.c.		
Coach Screws, dis. 70 and 10 p.c.		
Plough bolts, 60 p.c		
Boring Machines.		
Complete, with augers, each.....	5 00	7 50
Braces.		
Barbel's.....	6 00	7 75
Barber's Ratchet.....	10 00	11 00
Farmers.....	2 00	2 75
Miller's Falls.....	15 50	29 00
Brackets.		
Shelf.		
Japanned Canadian, per doz.		
pairs.....	0 50	3 40
Berlin Bronze Canadian.....	0 85	3 20
Broilers.		
Light, dis., 65 to 67½ per cent.		
Reversible, dis., 65 to 67½ per cent.		
Vegetable, per doz., dis. 37½ per cent.		
Henis, No. 8, ".....	6 00	
Henis, No. 9, ".....	7 00	
Queen City ".....	7 50	0 00
Butchers' Cleavers.		
German, per doz.....	6 00	11 00
American, per doz.....	12 00	20 00
Butts.		
Brass.		
Wrought Brass, dis., 17½ p.c. revised list.		
Cast Iron.		
Loose Pin, dis. 70 per cent.		
Wrought Steel.		
Fast Joint, dis. 70, 10 and 5 to 75 p.c.		
Loose Pins, dis. 70, 10 and 5 to 75 p.c.		
Berlin Bronzed, dis. 70, 70 and 5 per cent.		
Gen. Bronzed, per pair.....	0 40	0 65
Can Openers.		
Acme, per gross.....	9 00	10 00
Sardine Scissors, per doz.....	3 75	4 50
Card.		
Horse, per doz.....	0 60	1 00
Carpet Stretchers.		
American, per doz.....	1 00	1 50
Bullards, per doz.....	6 50	....
Carpet Sweepers.		
Bissell, per doz.....	22 50	
World, ".....	21 75	
Daisy, ".....	24 00	
Star.....	18 00	
Crown Jewel, per doz.....	29 00	
Grand Rapids, ".....	24 00	33 00
Cartridges.		
(See Ammunition.)		
Castors.		
Bed new list, dis. 55 to 57½ per cent.		
Plate, dis. 52½ to 57½ per cent.		
Cattle Leaders.		
Nos 31 and 32, per gross.....	8 50	9 50
Cement.		
Canadian, Portland.....	2 50	
English.....	2 85	
Belgium.....	2 75	
Canadian hydraulic.....	1 20	
Figures are for barrel lots.		
Chalk.		
Carpenters Colored, per gross.....	0 45	0 75
White lump, per cwt.....	0 60	0 65
Red.....	0 05	0 06
Crayon, per gross.....	0 14	0 18
Chisels.		
Socket, Framing and Firmer.		
American, dis. 75 per cent.		
Canadian, dis. 40 and 5 per cent.		
Tanged firmer, per doz.....	0 85	4 00
Churns.		
Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.		
Clamps.		
Judds', dis. 20 per cent.		
Stearns', per doz.....	3 00	10 00
Clips.		
Axle dis. 65 per cent.		
Closets.		
Washout, plain.....	3 25	
" embossed.....	3 50	
Coffee Mills.		
Box.....	3 60	13 00
Side.....	3 60	4 00
Enterprise, No. 0.....	1 35	
No. 2.....	70	
Compasses, Dividers, Etc.		
American, dis. 62½ to 65 per cent		

Cradles, Grain.		
Canadian, dis. 20 per cent.		
Dies.		
Hart Mfg. Co. (pipe es), (Amer. list), dis 40 per cent.		
Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.		
Door Springs.		
Torrey's Rod, per doz.....(15 p.c.)	2 00	
Coil, per doz.....	88	1 60
English per doz.....	2 00	4 00
Draw Knives.		
American, dis. 70 and 10 per cent.		
Canadian, dis. 25, 50 and 10 per cent.		
Drills.		
Hand and Breast		
Millar Falls, per doz.....	16 00	51 50
P. S. & W., dis. 40 per cent.		
DRILL BIT.		
orse, dis. 37½ to 40 per cent.		
Standard, dis. 50 and 5 to 65 per cent.		
ELBOWS.		
Stovepipe.		
Per doz.....	85	1 70
FAWCETS.		
Cork Lined, per doz.....	0 30	0 35
Wine, per doz.....	1 30	3 25
Star,.....	2 80	3 90
Fenn's Corkstops, No. 2, per dozen.....	1 70	
Petroleum, per doz.....	4 50	6 50
FILES AND RASPS.		
Globe File Mfg. Co.'s dis., files and rasps, 60 and 10 to 70 per cent.		
Toronto File Co.'s dis., files and rasps, 60 and 10 to 70 per cent.		
Black Diamond, 50 and 10 to 60 per cent.		
Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.		
Nicholson File Co., 50 and 10 to 60 per cent.		
Heller's Horse Rasps, 50 to 50 and 5 per cent.		
Jowitt's, English list, 25 to 27½ per cent.		
American, 60 to 60 and 5 per cent.		
Great Western, 60 and 10 per cent.		
Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.		
FLUTING MACHINES.		
Each.....	0 60	2 00
FORKS.		
Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.		
FREEZERS		
Ice Cream.		
Gem from \$1.25 to \$7 net.		
White Mountain, 1 to 25 qt....	1 35	13 50
Arctic, dis. 50 p.c.		
FRUIT PRESSES.		
Henis', per doz.....	3 25	3 50
Shepard's Queen City, dis. 15 per cent.		
FRY PANS.		
Acme, dis. 65 to 67½ per cent.		
GAUGES.		
Marking, Mortise, Etc.		
Stanley's, dis. 50 to 55 per cent.		
Wire Gauges.		
Winn's, Nos. 26 to 33, each.....	1 65	2 40
GLASS.		
Window.		
Box Price.		
	Star.	Double Diamond.
	Per 50 ft.	Per 100 ft.
	Per 100 ft.	Per 100 ft.
Under 25.....	1 60	3 00
26 to 40.....	1 75	3 30
41 to 50.....	3 70	5 50
51 to 60.....	4 00	6 25
61 to 70.....	4 30	7 30
71 to 80.....	4 70	7 85
81 to 85.....	5 25	8 85
86 to 90.....	10 30	
91 to 95.....	11 70	
96 to 100.....	13 75	
101 to 105.....	15 70	
106 to 110.....	....	....
GLUE POTS.		
Tinned, each.....	0 30	
Enamelled each.....	0 55	
GRINDSTONE FIXTURES		
Per doz.....	3 60	4 00
HALTERS.		
Rope, ¾ per gross.....	8 25	8 50
" ½ ".....	9 25	9 50
" ¼ ".....	11 00	11 25
Leather, 1 in., per doz.....	3 87½	4 00
" 1½ in., ".....	5 15	5 25
Web, — per doz.....	1 87	2 40
HAMMERS.		
Nail		
Maydole's, dis. 5 to 10 per cent. Can., dis 25 to 27½ per cent.		
Tack.		
Magnetic per doz.....	1 10	1 20
Sledge.		
Canadian, per lb.....	0 07½	0 08½
Ball Pean.		
English and Can., per lb.....	0 22	0 25

HANDLES.		
Axe, per doz., net,	1 50	2 00
Store door, per doz	1 00	1 50
Chest, per doz. pairs.....	0 40	2 50
Chisel.		
Firmer, per gross	3 00	4 50
Socket Firmer, per gross	3 25	8 00
Socket Framing, per gross....	3 75	5 00
Fork.		
C. & B., dis. 45 per cent. rev. list.		
Hoe.		
C. & B., dis. 45 per cent. rev. list.		
Saw.		
American, per doz.....	1 00	1 25
Plane.		
American, per gross.....	3 15	3 75
Hammer and Hatchet.		
Canadian, 45 per cent.		
Cross-Cut Saw.		
Canadian, per pair	0 13½	0 20
HANGERS.		
Door, 4 and 5 inch, per pair..	0 40	0 50
Lanes, 62½ per cent.		
HATCHETS.		
Canadian, dis. 40 to 42½ per cent		
HINGES.		
Blind, Parker's, dis. 60 and 10 to 65 per cent		
" Shepard's Noiseless, dis. 60 per cent.		
" Buffalo, dis. 60 to 70 p. c.		
Light T and strap, 70 and 10 p.c.		
Heavy, per lb.....	0 03½	0 04½
Screw hook and hinge—		
6 to 12 in., per 100 lbs.....	3 15	
14 in. up, per 100 lbs.....	2 35	
	Per doz. set.	
Screw Eureka.....	1 13	1 80
Gate, Clark's.....	1 50	2 20
" Shepard's, dis. 50 to 60 per cent.		
	Per gro. pair	
Spring.....	9 50	
" Shepard's Samson.....	1 20	
HOES.		
Garden, Mortar, etc. dis. 60, 10 and 5 p.c.		
Planter, per doz	4 00	
HOOKS.		
Cast Iron.		
Bird Cage, per doz	0 50	1 10
Clothes Line, per doz	0 27	0 63
Harness, per doz	0 72	0 88
Hat and Coat, per gross.....	1 00	3 00
Chandelier, per doz	0 50	1 00
Wrought Iron.		
Wrought Hooks and Staples, Can., dis. 47½ per cent.		
Wire.		
Hat and coat, dis. 60 to 60 and 10 p.c		
Belt, per 1,000.....	0 60	0 70
Screw, bright, dis. 65 and 10 per cent		
HORSE NAILS		
"P. B.", dis. 50 p.c.		
"C" brand, 50 p.c. dis.		
"M" brand 50 p.c.		
Acadian, 50 and 20 p.c., countersunk head.		
HORSE SHOES.		
	F.O.B.	F.O.B.
	Montreal	Toronto*
Iron Shoes.		
Light, medium, and heavy..	3 15	3 25
Snow shoes	3 40	3 50
Steel Shoes.		
Light, all sizes.....	3 35	3 45
Extra light	4 50	4 60
Toe weight (steel).....	5 50	5 60
*Also Hamilton, London, Guelph, St. John Halifax.		
ICE PICKS.		
Star, per doz.....	3 00	3 25
KETTLES.		
Brass spun, 7½ p.c. dis. off new list.		
Copper, per lb.....	0 30	35
American, 60 and 10 to 65 and 5 p.c.		
KEYS.		
Lock, Can., dis. 50 p.c.		
Cabinet, trunk, and padlock,		
Am. per gross.....		1 60
KNOBS.		
Door, japanned and N.P., per doz.....		0 90
Bronze, Berlin, per doz.....	2 75	3 25
Bronze Genuine	6 00	9 00
Shutter, porcelain, F. & L. screw per gross.....	1 30	4 00
KNIVES.		
Clauss, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.		
Christie, Bread, cake, and paring knives, \$7.00 doz. reis, with 10 p.c. off.		
Hay knives, spear point, Lor T handle, 60 10 and 5 per cent.		
Lightning, per doz.....	6 50	8 40
Heath's, \$7.75 net.		
LADLES.		
Melting, per doz.....	1 70	4 50
LEMON SQUEEZERS.		
Porcelain lined, per doz.....	2 20	5 60
Galvanized, "	1 87	3 85
Kiv. wood, "	2 75	2 90

King, glass, 4 00 4 50 All glass " 1 20 1 30	LINES. Fish, per gross 1 05 2 50 Chalk, " 1 90 7 40	LOCKS. Canadian, dis. 50 p.c. Russell & Erwin, per doz. 1 75 7 50 Cabinet, Eagle, dis. 30 p.c. Padlock, English and Am., per doz. 50 6 JC Scandinavian, " 1 00 2 40 Eagle, dis. 15 to 17½ p.c.	MACHINE SCREWS. Iron and Brass. Flat head, discount 25 p.c. Round head, discount 20 p.c.	MALLETS. Tinsmiths', per doz. 1 25 1 50 Carpenters', hickory, per doz. 1 25 3 75 Lignum Vitae, per doz. 3 85 5 00 Caulking, each 1 60 2 00	MATTOCKS. Canadian, per doz. 8 50 10 00 American, 60 and 10 p.c. off list.	MEAT CUTTERS. American, dis. 30 to 32½ p.c. German, 15 per cent.	MINCING KNIVES. American, per doz. 0 42 2 35	MOLASSES GATES. Stebbin's Patent, dis. per cent., 77½ per cent	NAILS Quotations are: Cut. Wire. 2d. and 3d. \$2 75 \$2 80 3d. " 2 40 2 45 4 and 5d. " 2 15 2 20 6 and 7d. " 2 05 2 10 8 and 9d. " 1 90 1 95 10 and 12d. " 1 85 1 90 16 and 20d. " 1 80 1 85 30, 40, 50 and 60d. (base). 1 75 1 80 Steel Cut Nails 10c. extra. Brads and finishing nails, special sizes, 80 p.c. from new list.	NAIL PULLERS. German and American. 1 85 3 50	NAIL SETS. Square, round, and octagon, per gross 3 38 4 00 Diamond 12 00 15 00	NETTING. Poultry, 67½ per cent. for imported, 55 per cent. for McMullen's.	OIL. Canada refined oil (Toronto). 0 14 Carbon safety " 0 16½ American w. w. " 0 17½ Pratt's Astral. 0 17	OILERS. McClary's Model galvan. oil can, with pump, 5 gal., per doz. 0 00 9 00 Zinc and tin, dis. 50, 50 and 10. 1 25 3 50 Copper, per doz. 1 50 3 20 Brass, Malleable, dis. 25 per cent.	PAIIS. Galvanized, per doz. 1 85 3 00	PENCILS. Dixon's, per gross. 1 00 4 25 " Carpenter. 2 25 3 60	PICKS. Per doz. 6 00 9 00	PICTURE NAILS. Porcelain head, per gross. 1 40 3 00 Brass head, " 0 40 1 00	PIPE CUTTING MACHINERY Forbes Patent Die Stocks.—Curtis & Curtis, Mfrs., Bridgeport, Conn. No. 30 Hand Machine, range ¼ to 2 in. R. & L. \$ 50 00 No. 38 Hand Machine, range 1½ to 4 " 100 00 No. 55 Hand Machine, range 2½ to 6 " 175 00	PLANES. Wood, bench, Canadian dis. 55 per cent. American dis. 55. Wood, fancy Canadian or American, 37½ to 40 per cent. Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c. Miscellaneous, dis. 25 to 27½ per cent. Bailey's Victor, 25 per cent.	PLANE IRONS. English, per doz. 2 00 5 00	PLIERS AND NIPPERS. Button's Genuine, per doz pairs, dis. 37½ 40 p.c. Button's Imitation, per doz. 5 00 9 00 German, per doz. 0 60 2 60	PLUMBS AND LEVELS. S.R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.	POPPERS. Corn, square, per doz. 1 35 2 00	PRUNING SHEARS. Per doz. 4 00 5 50	PULLEYS. Hothouse, per doz. 0 55 1 00 Axle " 0 22 0 33 Screw " 0 27 1 00 Awning. 0 35 2 50	PUMPS. Canadian cistern. 1 40 2 25 Canadian pitcher spout. 1 15 2 00	PUNCHES. Saddlers', per doz. 1 00 1 85 Conductors, " 9 00 15 00 Tanners' solid, per set. 0 00 0 72 " hollow, per inch. 0 00 1 00	RAIL. Barn door, per foot. 0 02¼ 0 02½ Sliding door, " 0 03¼ 0 03½ Lanes, " 0 02¼ 0 02½	RAKES. Cast steel and malleable Canadian, list dis 60 to 60, 10 and 5 p. c. revised list. Wood, 25 per cent.	RAZORS. Geo. Butler & Co.'s, per doz. 8 00 18 00 Boker's, " 7 50 11 00 Wade & Butcher's, " 3 60 10 00 Arbenz's, " 9 00 18 00 Theile & Quack's " 7 00 12 00	RAZOR STROPS. Currier's, per doz. 1 25 3 60	RIVETS AND BURRS. Carriage, Section, Wagon Box Rivets, etc., (Steel), 65 p.c. Carriage, Section, Wagon Box Rivets, etc., (Norway Iron), 60 p.c. Black M. Rivets (Steel), 65 p.c. Black and Tinned Rivets, 60 and 5 to 65 and 5 p.c. Copper Rivets & Burrs. 45 p.c. dis. ½ in ½ lb. boxes and cartoons, 1c. per lb. extra, net. Burrs, iron or steel, 55 and 5 per cent. Terms, 4 mos. or 3 per cent. cash 30 days.	RIVET SETS. Canadian, dis. 35 to 37½ per cent.	ROPE, ETC. 7-16 in. and larger, per lb 10½ ¾ in. and 5-16 in. " 11 13½ Cotton " 13 14 Russia Deep Sea. " 14½ Jute " 6¾ 7½ Lath Yarn " 8½ New Zealand Rope. " 9½	RULES. Boxwood, dis. 80 and 10, to 80 and 12½ p.c. Ivory, dis. 37½ to 40 p.c.	SAD IRONS. Mrs. Potts, per set. 0 62½ 1 00 " N.P., per set. " 90	SAD HEATERS. Dome, Shepard's, per doz. 4 75 5 00	SAND AND EMERY PAPER. Dominion Flint Paper, 47½ per cent. B. & A. sand, 40 and 2½ per cent. Emery, 40 per cent.	SASH CORD. Per lb. 0 20 0 50	SASH LOCKS. Triumph and Morris, dis. 37½, 40 percent. Kempshell's, dis. 40, 62½ per cent. Canadian, dis. 45, 50 per cent.	SASH WEIGHTS. Sectional, per 100 lbs. 1 40 1 75 Solid, " 1 25	SAWS. Crosscut, McMillan & Haynes, per dozen 0 40 0 70 " Empire, McMillan & Haynes, per ft. " 0 70 Hand, Diston's, dis. 12½ to 15 p.c. S. & D., 40 to 40 and 10 per cent. Crosscut, Diston's, per ft. 0 35 0 55 S. & D., dis. 35 p.c. on Nos. 2 and 3. Hack, complete, each. 0 75 2 75 " frame only. " 0 75	SAW SETS. " Lincoln, " McMillan & Haynes, per doz. 6 00 7 50 Whiting " 5 63 7 00	SCALES. Gurney Scales, 50 p.c. B. S. & M. Scales, 50 p.c. Champion, 60 per cent. Fairbanks Standard, 45 p.c. " Dominion, 60 p.c. " Richelieu, 60 p.c. Chatillon Spring Balances, 25 p.c.	SCRAPERS. Box, per doz. 2 10 4 50 Boob, " 0 40 3 50	SCREENS. Door, patent, per doz. 6 50 11 00 Window, per doz. 2 00 2 75	SCREW DRIVERS. Sargent's, per doz. 65 4 90	SCYTHES. Wood, F. H., iron, and steel, dis. 87½ p.c. Wood, R. H., " dis. 80 p.c. " F. H., brass, dis. 82½ p.c. Wood, R. H., " dis. 75 p.c. Drive Screws, 87½ per cent. Bench, wood, per doz. 3 25 4 00 " iron, " 4 25 5 75	SCYTHES. Discount, per doz. net. 4 50 6 00	SCYTHE SNATHS. Canadian, dis. 50 p.c.	SHEARS. B. & W., japanned, dis. 75 p.c. B. & W., N.P., dis. 65 p.c. Seymour's, dis. 60 p.c. Etna, dis. 75 to 75 and 10 p.c. Heinisch, dis. 60 p.c. Bristol, japanned, 80 p.c. " N.P., dis. 70 p.c. lauss, full nickel, 60 p.c. " japanned handles, 67½ p.c. off. Seymour or Heinisch tailor shears, 15 p.c.	SHEAVES. Sliding door, per set. 0 77 1 40	SHOVELS AND SPADES. Canadian, dis. 40 and 10 to 45 and 2½ p.c.	SIEVES. Wood rim, black, per doz. 1 05 1 10 " tinned, " 1 25 1 35 Tin rim, per doz. 2 30 2 45 " black. 1 85 2 25	SNAPS. Harness, German, dis. 35 to 37½ p.c. Acme " 3 00 5 00 Lock, Andrews'. 4 50 11 50	SOLDERING IRONS. Per lb. 0 25	WROUGHT SPIKES. Discount, 35 to 40 per cent.	SPOKE SHAVES. Wood, English 1 80 5 00 Iron, American. 1 35 2 35	SPOONS AND FORKS. Tea spoons, per gross 7 50 12 00 Dessert, " 21 00 00 00 Table, " 30 00 30 00 Dessert Forks, " 24 00 00 00 Medium " 27 00 00 00 Table " 36 00 00 00	SQUARES. Iron, per doz. 1 65 2 90 Steel, dis. 70 per cent., revised list. Try and bevel, dis. 50 to 52½ p.c.	STAPLES. Galvanized 2 00 Bright. 1 00	STEP LADDERS. BOECKH BROS. & COMPANY. Best grade, from 3 to 10-ft. long, per foot, 16c 2nd grade, 3 to 10-ft., per foot, 10c.	STOCKS AND DIES. American, dis. 25 p.c.	STONE. Washita, per lb. 0 28 0 60 Hindustan, " 0 06 0 07 " slips, per lb. 0 09 0 35 Labrador. " 0 13 " Axe. " 0 15 Turkey " 0 5
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CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays 10 cents to any address on receipt of

HARDWARE AND METAL, Toronto

THE PRESS CLIPPING BUREAU

Reads every newspaper in Canada and clips therefrom all articles of a business or personal nature of interest to subscribers in this department.

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We have also lists of firms in every branch of trade in the Dominion, the professions, club members, society, etc., and we are prepared to address and mail circulars or letters to these at any time.

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Board of Trade, Montreal



"BUILD TO-DAY THEN,
STRONG AND SURE.
WITH A FIRM AND
AMPLE BASE."
— Longfellow.

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WISH THUS TO BUILD
an
advertisement
in the
**CONTRACT-
RECORD.**
TORONTO
will bring you
tenders from the
best contractors

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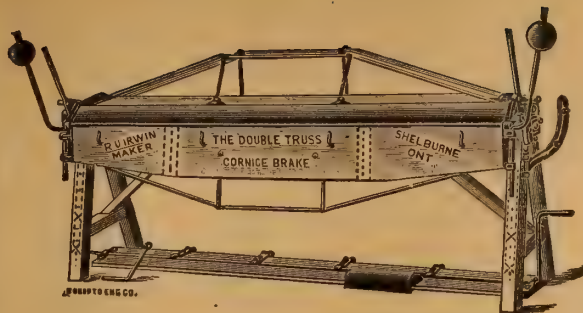
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States, Canada, the European Continent,
Australia, and in London, England.

The Bradstreet Company is the oldest and, financially, the strongest organization of its kind—working in one interest and under one management—with wider ramifications, with more capital invested in the business, and it expends more money every year for the collection and dissemination of information than any similar institution in the world.

TORONTO OFFICE.

McKinnon Building, Cor. Jordan and Melinda Sts.
THOS. C. IRVING, Superintendent



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, \$50

Very handy bender attachment, \$10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice
Brake Co. SHELBURNE, ONT.

It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

FULL LINE OF

WAREHOUSE (Portable or Dormant)

HOPPER SCALES

DAIRY SCALES, COUNTER SCALES

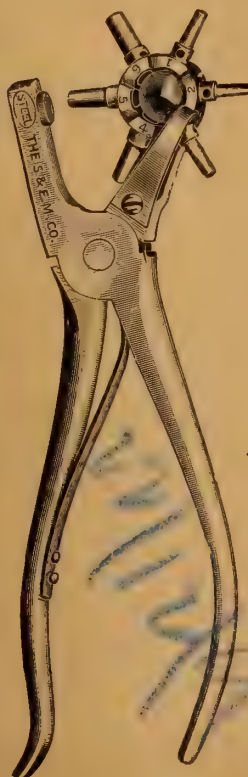
WAGON SCALES

TRACK SCALES

THE GURNEY SCALE CO., - Hamilton, Ont.

WALTER GROSE, 30 St. Dizier St., Montreal, Que.

Agent for Montreal and Eastern Provinces.



The
Smith & Egge Manfg. Co.
BRIDGEPORT, CONN., U.S.A.

Manufacturers of
REVOLVING AND SPRING

BELT PUNCHES

Conductors' Ticket Punches.
BICYCLE SUNDRIES.

"Giant" Metal Sash Chain.
SASH PULLEYS.

"Red Metal" and Steel Chain.
PADLOCKS and RAT TRAPS.



Est. 1863

Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve

TRADE MARK.

Medals

Awarded

By **JURORS** at

International Expositions
Special Prize

Gold Medal at Atlanta, 1895

TRADE MARK.

HAVE YOU TRIED IT?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

ROBERTSON'S

Ready-Mixed Paints Are Pure Paints

They are not the common, everyday prepared paints, but something you can recommend to your best customers, and not fear the result. Our success in the past is all due to the high quality of all our goods. Your success in the future may depend on the same.

The JAMES ROBERTSON CO., Limited 263-285 King Street West, Toronto

Telephones 819, 1511 and 1292.

THE PAINT MAKERS

" $\frac{1}{2}$ Century's Test"
Langwell's
Metallic Alloys--Montreal.

CANADIAN

HARDWARE

AND METAL
MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X

MONTREAL AND TORONTO, OCTOBER 1, 1898

No. 40



Magnolia Metal

Best Anti-Friction Metal for
all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamp-
ed on the under side of
each bar.



MAGNOLIA METAL COMPANY

LONDON OFFICE—40 Queen Victoria St.
CHICAGO OFFICE—Traders' Building.
MONTREAL—Caverhill, Learmont & Co.
General Dominion Agents.

Owners and Sole Manufacturers,
266 and 267 West St., New York

Every Sheet Guaranteed.

*If you find any defect whatever in a case,
or part of a case, of "QUEEN'S HEAD"
Iron, report it at once to your jobber, send-
ing the packer's ticket enclosed in the case,
and any defective sheets will be replaced.*

JOHN LYSAGHT, Limited
BRISTOL and MONTREAL

All
in
One.

Every desirable attribute combined in one general
whole—that best describes the Radiator of confidence; the one
folks know for what it is—Radiator perfection, The "Safford."

Without bolts, rods or packing in a single pipe connection
—absolutely unleakable, screw-threaded nipple connections,
that's why.

You get perfect and free circulation one minute after the
heat is turned on—guaranteed by the
largest Radiator makers under the
British Flag.

Handsome as a Radiator **can** be—light,
yet very strong—made in twenty-five different
styles—it fits circles, corners, angles.

Made by

The
Safford
Radiators.

THE DOMINION RADIATOR CO., Limited
TORONTO, ONT.

RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President.

A. BURDETT LEE, V. P. and Treas.

Importers of . . .

Bar Iron
Steel
Boiler Plate

Shelf and Heavy

Hardware



MANTELS
GRATES
TILES

Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets

...TORONTO

Anything in....

Copper

THE range of our product is from the smallest article possible to make to the largest work ever used or required.

COPPER WORK

made to any desired specification or design.



We have always on hand a large stock of

Sheet Copper and
Copper Tubing

CORRESPONDENCE SOLICITED

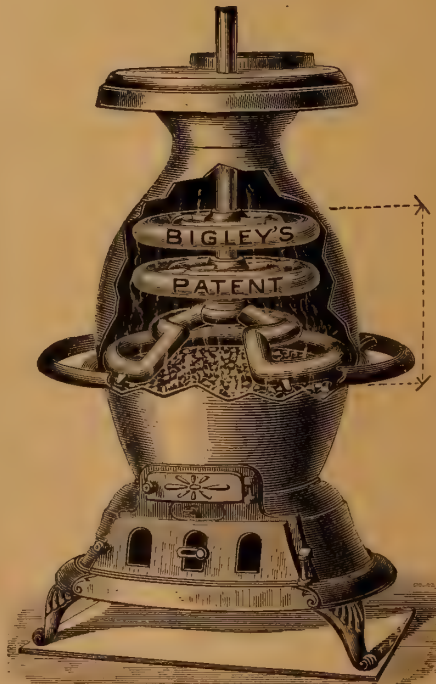
THE BOOTH COPPER CO.

Limited.

TORONTO

"BIGLEY'S" PATENT WATER HEATING COIL.

Made in
8 Sizes.



They are so constructed that one or more sections can be used. They are constructed principally for combination heating, in any kind of Hot Air Furnace, Globe Heaters or Stove, such as represented in cut. They are put together with screwed nipples and tested to 50 lb. pressure. The first section is cut away in front, so as to admit the coal. This heater adds $\frac{2}{3}$ more heating capacity to a stove or furnace. It can be built in brick for greenhouse heating.

Send for Catalogue

Manufactured by

R. BIGLEY 96 and 98 Queen E. TORONTO

Established 1825

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinisch's Sons Co. vs. Hermann Boker & Co.:

"The complainant (R. Heinisch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinisch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinisch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorn & Co., St. John, N.B., H. S. Howland, Sons & Co., Toronto, and others.

COLDBROOK IRON AND STEEL CO.

Limited

Manufacturers of
all kinds of**BAR IRON.**

o o o o

GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

Our "Para" Rubber Belt

is made of 32-oz. Duck coated with fine Para Rubber, and makes a superior THRESHING BELT.

**OUR PATENT
SEAMLESS****Forsyth
Rubber Belt**

is so constructed as to do away with an exposed seam.

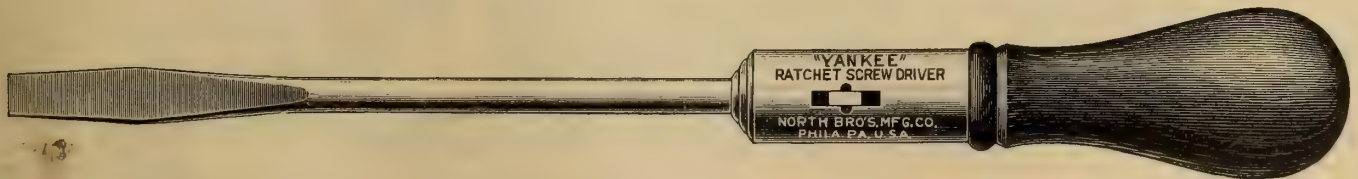
Price List and Discounts on application.

**THE CANADIAN RUBBER CO.**

OF MONTREAL

CAPITAL - \$1,500,000.BRANCHES: **Toronto and Winnipeg.**

OTHER TOOLS ARE VERY GOOD TOOLS, BUT

"YANKEE" TOOLS ARE BETTER**SPIRAL-RATCHET SCREW DRIVER.****RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.**

Sold in Canada by _____

CAVERHILL, LEARMONT & CO.	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	"
RICE LEWIS & SON, Limited	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	LONDON
LEWIS BROS. & CO.	-	-	MONTREAL

Descriptive Circulars will be mailed on application.

North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.

ESTABLISHED
1778.



CORPORATE
MARK.

JOHN CROSSLAND

MANUFACTURER OF

SHEFFIELD.

Pocket, Table and Butcher Knives.

Spear, Bowie, Daggers, Matchets and Hunting Knives.

These goods have a world-wide reputation for good quality and finish. Any infringers of our corporate mark will be promptly prosecuted.

APPLEBY & CO., - 501 Board of Trade, MONTREAL,

The sole agents for Canada, keep a full range of samples on view.

ESTABLISHED OVER 100 YEARS.

JOHN PEACE & SONS, ALGOMA WORKS, Sheffield, England

MANUFACTURERS OF

Files and Rasps, Hammers, Picks, Spades, Shovels and Forks.

Silver and Silver-Plated Goods, in newest designs.

Orders given to our Agent, or sent direct to Sheffield will receive prompt attention. Our Canadian representative carries samples of all the above lines. We solicit enquiries for every description of British Goods.

Agent for Canada John H. Peace, 73 Palmerston Avenue, Toronto.

The fibre is long
and strong

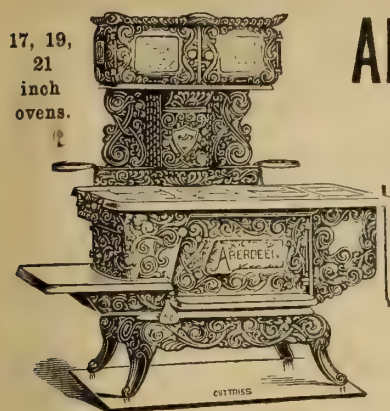
BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE

Eddy's Wrapping Papers

The E. B. EDDY CO., Limited

HULL	ST. JOHN	VANCOUVER
MONTREAL	HALIFAX	VICTORIA
TORONTO	HAMILTON	ST. JOHN, N.B.
LONDON	WINNIPEG	KINGSTON
	QUEBEC	

The paper stands
wear and tear



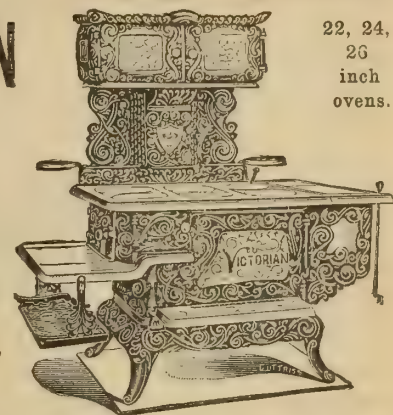
17, 19,
21
inch
ovens.

ABERDEEN, for Coal and Wood.

ABERDEEN AND VICTORIAN RANGES

These two modern, beautiful ranges give a complete line of goods for coal and for wood, and were constructed with special reference to the needs of Canadian trade. They have roomy fire boxes, capacious ventilated ovens, large fire doors, spacious hearths.

The COPP BROS. CO., Limited
Hamilton, Ont.



22, 24,
26
inch
ovens.

VICTORIAN, for Wood.

Standard Steel Toe Calks



WRITE
FOR
DISCOUNTS.



Sizes—No. 0 to 7, $1\frac{1}{2}$ " to 3 inches. Price \$1.00 Per Box of 25 lbs. in Bulk, or 24 lbs. in 4 lb. Packages.

Sizes—No. 0 to 5, $1\frac{1}{2}$ " to $2\frac{3}{4}$ " inches. Price \$1.25 Per Box of 25 lbs. in Bulk, or 24 lbs. in 4 lb. Packages.

JAMES PENDER & CO., Limited, = **Saint John, N. B., Canada.**

CANADA PLATES TINPLATES GALVANIZED SHEETS BLACK SHEETS

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin
164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

AN ANNOUNCEMENT

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

Enameline

THE MODERN STOVE POLISH

PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

THE STARR BRASS TOP SKELETON.



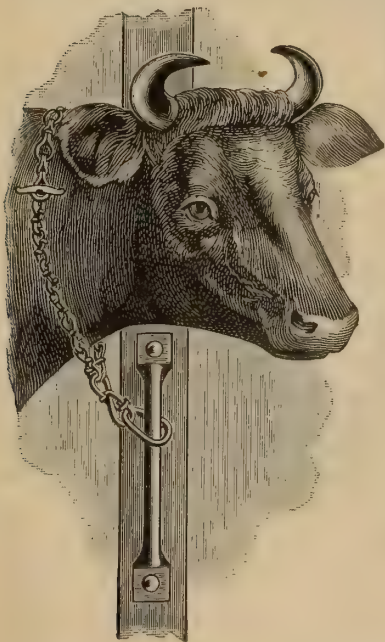
Tops of Hard Rolled Sheet Brass, highly finished and securely attached to runners. A handsome and attractive skate, especially for ladies.

PRICES REDUCED.

The STARR MANUFACTURING CO., Limited

T. L. PATON, Agent, Montreal.

Makers, DARTMOUTH, N.S.



NIAGARA PATTERN

Or "SHORT"

COW TIE.

Made in either

CUT LINK

.. OR ..

WIRE LINK CHAIN.



Showing also our new

NIAGARA STALL FIXTURE.

The cheapest, safest and most convenient stall fixture ever devised for either cows or horses. Allows great freedom to the head without a long chain, which would entangle the animal's foot. Also American Open and Closed Ring Cow Ties.

ONEIDA COMMUNITY, Limited
NIAGARA FALLS, ONT.

KEMP'S

Standard

COAL HODS

Well Finished
Strong
Serviceable

ALL SIZES
AND STYLES
IN STOCK.



Prices on Application.

KEMP MANUFACTURING CO.
TORONTO, CANADA.



President,
JOHN BAYNE MacLEAN, Montreal.
Treasurer,
HUGH C. MacLEAN, Toronto.

THE MacLEAN PUBLISHING CO Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

ANOTHER ADVANCE IN CEMENT.

CABLES from Europe, this week, state that Belgian and German makers have advanced prices 4d. to 1s. per cask, owing to the active enquiry experienced at primary points both on foreign and domestic account.

The receipt of this intelligence in Montreal, while it has not resulted in any quotable change in values, has imparted a firmer tone to the market, and no reaction is now looked for from the advance established as a result of the scarcity developed a week or so ago.

Although the arrivals during the past fortnight were reasonably large, they passed out of first hands almost immediately, so

that stocks are again light, and they have been further depleted this week by an active demand, both on eastern and western account.

Western buyers have been paying full prices, and have taken since last Saturday over 4,000 casks of German and Belgian stock, in quantities running from 800 to 2,000 casks.

Numerous other lots ranging from 400 to 600 casks have been placed on local Montreal account, all at full figures. In a word, a very firm cement market is expected to rule throughout the entire fall.

REDUCTION IN FOUR-POINT BARB WIRE.

A reduction of 5c. per 100 lb. has been decided upon in four-point barb wire by the manufacturers in Canada.

The change takes effect to-day (October 1), and the price is now \$1.80 f.o.b. Toronto.

Two-point, plain twist and safety barb wire are all quoted as before.

The price of barb wire has been fluctuating somewhat lately in the United States. About ten days ago, the manufacturers there advanced prices slightly, but, according to quotations received in Toronto within the last few days, figures are back to where they were before, and jobbers are again quoting \$1.75 f.o.b. Cleveland.

At the figure of \$1.80 f.o.b. Toronto, the Canadian manufacturers expect to be able to prevent jobbers from importing United States wire, stocking it, and shipping it out again. They do not, however, essay to prevent shipment being made from Cleveland.

ADVANCE IN GLASS.

It was stated in last week's issue of HARDWARE AND METAL that an advance in the price of window glass would probably be decided upon by the jobbers in Toronto and the west before the next issue.

What was predicted has come to pass, our quotations this week showing an advance of 10c. per box on 50-foot boxes and 20c. on 100-foot boxes, star glass, and 25c. per box on double diamond.

The quotations are now as follows:

	Star.		Double Diamond.	
	Per 50 ft.	Per 100 ft.	Per 50 ft.	Per 100 ft.
Under 26	\$1.70	\$3.20		\$ 4.75
26 x 40	1.85	3.50		5.25
41 x 50		3.90		6.00
51 x 60		4.20		6.75
61 x 70		4.50		7.50
71 x 80		4.90		8.50
81 x 90		5.50		9.50
86 x 90		6.50		11.25
90 x 95				13.00
96 x 100				15.00
101 x 105				17.00
106 x 110				21.00

Terms are as before, namely, four months or 3 per cent. cash 30 days, f.o.b. Toronto, Hamilton and London.

The advance is in sympathy with the Belgian market.

WHY LIGHTNING STRIKES BARNs.

The Bridgeburg Review recently drew attention to the fact that barns struck by lightning always have their crops in, empty barns seeming to escape the electric fluid, and suggesting that scientific men devote some of their time and ability to learning the cause of this peculiarity, with a view to devising ways and means of lessening the danger.

A writer in a Kingston paper has taken the matter up and gives what he regards as the cause, and there may be something in

it. If this theory is correct, it would be an easy thing to avoid the lightning's stroke by providing the suggested means of ventilation. He says: "Now, I have never heard or known that any barn with an open lattice ventilation has been struck or burned. All farmers know that no matter how dry grain or hay is when put into the barn it will sweat more or less; this sweat forms a gas, which invariably rises to the top. We know this, for, if we salt the bottom of a mow, the top also becomes salty. I believe that lightning has an affinity for this gas, and that the gas, if confined in the top of a barn, draws this lightning."

THANKSGIVING DAY AGITATION.

THE opinions of merchants of all kinds, printed in this issue, demonstrate, as far as ascertained, that the merchants of this country are almost unanimously in favor of an earlier date for Thanksgiving Day than is customary. If we were to canvass the working classes we have no doubt the result would be the same.

But, aside altogether from the published opinions in regard to the matter, the experiences of the past few years have been more than strong enough to condemn the latter part of November for the celebration.

To celebrate Thanksgiving Day concurrently with the United States is, from a sentimental point of view, quite nice, but, when it comes that the weather, over a large part of Canada, is unpropitious, year after year, for holding such a holiday, all the sentiment and all the pleasant things are knocked out of it. By all means let next Thanksgiving Day be held two or three weeks earlier than last year.

AUER LIGHT VS. VICTOR LIGHT.

A judgment of interest to many merchants was given by Judge Morgan, in Toronto, the other day, when he decided that the Victor light was an infringement on the Auer patent, and that merchants purchasing the Victor light were liable for the infringement.

John H. Collings and thirty other users of the Victor light were sued by the Auer company. The Collings case was taken as a test, and Judge Morgan gave judgment for the Auer company, assessing the damage at \$2 per light.

THE PETER BERTRAM FAILURE.

A settlement has not yet been effected in the matter of Peter Bertram, the insolvent retail hardware merchant, of Hamilton.

An effort is being made to secure a settlement at 20c. on the dollar, but some of the creditors declare they will not accept the offer.

Following is the statement:

LIABILITIES.	
Sherwin-Williams Co.....	\$ 581 12
A. Ramsay & Son.....	380 16
Jas. Smart Mfg. Co.....	154 34
H. S. Howland, Sons & Co.....	1,094 19
A. C. Leslie & Co.....	133 47
Peterboro' Lock Co.....	29 13
Canada Screw Co.....	487 03
McClary Mfg. Co.....	3,275 37
Welland Mfg. Co.....	3,638 98
Schlechier Jute Cordage Co.....	34 85
Dorken Bros. & Co.....	529 80
Jas. Robertson & Co.....	29 36
T. S. Simins.....	85 51
Gutta Percha Rubber Co.....	143 99
E. T. Wright & Co.....	207 36
Gurney-Tilden Co.....	76 61
John Bertram.....	5,250 00
Stewart & Wood.....	24 46
Montreal Rolling Mills Co.....	47 23
Hamilton Oil Works.....	251 73
Ontario Binder Twine Co.....	352 73
Lockerby & McComb.....	61 10
Caverhill, Learmont & Co.....	83 63
Dominion Wire Mfg. Co.....	421 70
Laing, Ritchie & Co.....	50 56
Duncan Litho. Co.....	28 21
Jas. Warnock & Co.....	14 74
Frothingham & Workman.....	17 49
Meakins & Sons.....	7 81
Buntin, Gillies & Co.....	12 28
Meriden Britannia Co.....	1 22
Brown, Boggs & Co.....	23 91
M. B. Perrine & Co.....	6 51
Rice Lewis & Son.....	12 38
R. H. Ives & Co.....	13 22
Knowles, Ham, Nott & Co.....	26 40
Burrow, Stewart & Mine.....	16 58
Ontario Rolling Mills Co.....	10 75
Dowswell Bros. & Co.....	34 30
Alex. Main & Son.....	57 78
Gendron Manufacturing Co.....	2 40
Hamilton Brass Manufacturing Co.....	24 37
American Dunlop Tire Co.....	31 30
Allerton, Clark & Co.....	54 46
Craig, McArthur & Co.....	8 00
Thos. Bryan.....	81 94
Bell Telephone Co.....	15 00
Spectator Printing Co.....	185 00
Times Printing Co.....	265 00
Herald Printing Co.....	19 35
Carter, Crume Co.....	10 08
R. T. Wilson.....	1,053 65
Anne Bertram (wife).....	496 41
Helen M. Bertram.....	639 87
Mrs. Anne Mitchell (estate of).....	4,959 86
John A. Bruce & Co.....	44 39
Campbell estate.....	468 00
	\$26,037 67

ASSETS.	
Stock-in-trade, August 24.....	\$12,325 85
Shop fixtures.....	400 00
Accounts due.....	1,196 67
Cash on hand.....	45 61
	\$13,968 13

Accounts due, bad or doubtful.....	654 68
INDIRECT LIABILITIES.	
Discounts, Bank of Hamilton.....	486 20

MAGNETIC ORE DISCOVERY.

Reports from St. George's Report, Cape Breton, N.S., state that an immense deposit of magnetic iron was lately discovered there, running in width to 1,000 feet and two miles long. Several shafts are now sunk across the lead 200 feet apart, showing a solid body

of iron from the very surface. The ore consists of magnetic and hematite mixed with breaks like pig iron and is said to be of the finest quality, equal to any Swedish iron. The deposit is within a mile of a good shipping point.

THE GOOD ROADS MOVEMENT.

IT is a hopeful, an encouraging sign of the times, that the agitation in favor of the improvement of the roadways of Ontario, is, at last, receiving a good deal of attention from business men, as well as from the public generally.

The Ontario Provincial road instructor, A. W. Campbell, reports that within the last two years, when the movement was first begun in earnest, the towns of Niagara Falls, St. Catharines, Galt, Berlin, Stratford, Chatham, Owen Sound, Collingwood, Parry Sound, Barrie, Lindsay, Brockville, Cornwall, Kemptville, Ingersoll and Woodstock, have undertaken the macadamizing of their streets and roads, and have spent nearly a quarter of a million dollars on the work. Other towns have shown more or less activity in the matter.

There is no question but that to country merchants it is desirable that every highway in, and connecting with their town, should be in the best condition possible. The good condition of the roads facilitates the delivery of goods, and, lessens the wear and tear of vehicles.

It has been demonstrated that all improvements to the country roads leading into a town tend to increase the traffic to and from that town. In fact, farmers frequently drive eight or nine miles with a heavy load over a good road rather than go a couple of miles shorter journey over roads kept in poor repair.

It is sometimes urged that the profits derived from keeping roads in good repair do not repay the business man for the extra taxation thereby entailed, but this argument is not sound, for, though it is true that the first cost of building a proper roadway is considerably more than making a poor one, the cost of keeping in repair a road once properly constructed is not more than the amount now expended in repairing the poor road.

It behooves business men in all sections of Ontario to see that the agitation leads to practical ends, and merchants in the country are not the only merchants who should be interested in this matter.

SIX MONTHS FOR FRAUD.

IN the Court of Queen's Bench, Montreal, on Sept. 26, W. E. Gillespie, a retail merchant, of Penetanguishene, Ont., was sentenced to six months' imprisonment in the Montreal common jail, on the charge of attempting to defraud the wholesale dry goods firm of Thibeaudeau Bros. by furnishing a false statement.

The facts of the case, as given in The Dry Goods Review of August, were as follows:

On July 10, 1897, Gillespie furnished Thibeaudeau with a statement showing a surplus of \$10,000. On April 14, 1898, a second statement was submitted showing about the same surplus, and assets of \$22,000. No later than June 11 last a third statement showed the assets to be \$18,000, with a surplus of \$12,000. On the strength of the latter, Thibeaudeau Bros. & Co. advanced goods to the value of \$7,900. In a short time Gillespie assigned, with liabilities amounting to over \$17,000.

All three statements were false, the first, because the book debts which The Gillespie Co. claimed as theirs had been assigned to the firm of S. F. McKinnon & Co., of Toronto. The second statement was equally untrue. It stated that at the last stock-taking of The W. E. Gillespie Co., there existed assets to the amount of \$22,000, whereas it had been proved that the stock-taking of February, 1898, of which Mr. W. E. Gillespie had a knowledge, showed assets of \$4,000 only. The last statement also was untrue. It gave assets of \$18,000, whilst the official inventory, subsequent to the failure of The W. E. Gillespie Co., exhibited resources of \$3,000 and liabilities of \$17,500.

Other firms interested in the failure of The Gillespie Co. are: S. F. McKinnon & Co., \$1,500; Lailey, Watson & Co., \$833.29; Green & Wade, \$323.55; F. J. Weston & Sons, \$323.25; W. E. Chalcraft & Co., \$277.70; A. A. Allan & Co., \$261.13; H. Bradshaw & Sons, \$223.33; E. J. Dignum & Co., \$133.86; E. Boisseau & Co., \$106.90, all of Toronto; M. L. Schloman, \$324.22; W. Agnew & Co., \$273.05; W. D. Stroud & Sons, \$257.68; James Coristine & Co., \$172.07; John Horsfall & Sons, \$120, of Montreal; and following Hamilton firms: Knox, Morgan & Co., \$495.53; James C. Taylor, \$210.09;

Walter Woods & Co., \$165.60; James Turner & Co., \$119.60.

The case naturally attracted a lot of attention, the accused being defended by a prominent lawyer, Mr. J. W. Greenshields, who, after the jury had found him guilty, made application for a reserve case, on the plea of lack of jurisdiction, or, in other words, that the accused should have been tried at his home in Ontario, and not in Montreal. This plea was disallowed, with the result above given.

In pronouncing sentence, Judge Ouimet pointed out that it would be wrong to allow false sentiments of sympathy to rule in a case of the kind under consideration. It was highly important that fraud in commercial transactions should be put down with a strong hand. He also expressed the hope that the present conviction would serve as a lesson to others, who might be inclined to think that they could not be punished for sharp practices of this kind. Remarking that he could, if he so desired, impose a sentence of five years, he added, that, in consideration of Gillespie's state of health, and the fact that he had not pecuniarily gained anything, he would simply impose a sentence of six months, without hard labor.

A WIRE NAIL UNDERSTANDING.

WHILE the wire nail manufacturers in Canada are vigorously cutting prices, the manufacturers in the United States are dwelling together in peace and harmony.

At a meeting held in Chicago a few days ago, a permanent joint organization was formed by the manufacturers of wire nails and barb wire "for the purpose," as an exchange puts it, "of consultation in regard to trade conditions." Mr. George T. Oliver was elected president, and an executive committee, whose headquarters are to be in Pittsburg, was appointed.

An advance of 5c. per keg in the price of nails was decided upon. Quotations are now: Carload lots, \$1.35 f.o.b., and single carloads, \$1.40 f.o.b., Pittsburg. Prices f.o.b. Cleveland, are 2½c. per keg higher; at Chicago, Joliet, Cincinnati and Louisville, 7½c. higher, and at St. Louis, 12½c. higher. An agreement that no sales or contracts will be made on longer deliveries

than the next 30 days, was also arrived at. In Canada, there is no improvement whatever in the situation. If anything, prices are worse than ever, notwithstanding that the demand is fairly good.

While the price in Canada is, of course, not as low as it is in the United States, yet, nails made in Pittsburg or Cleveland could not be laid down in this country, plus freight and duty, at less than about 40c. per keg above the Canadian figure.

He who cannot get up energy is like an engine that cannot get up steam, next to useless.

CUT AND WIRE NAIL PRODUCTION.

THE statistical report of The American Iron and Steel Association, just issued, shows a most interesting state of affairs in regard to cut and wire nail production in the United States.

The production of wire nails in 1897 was 8,997,245 kegs. This is the largest on record, and an increase of 100 per cent. over the previous year.

The production of wire nails during the past six years is as follows: 1892, 4,719,524 kegs; 1893, 5,095,945 kegs; 1894, 5,681,403 kegs; 1895, 5,841,403 kegs; 1896, 4,719,860 kegs; 1897, 8,997,245 kegs.

While the production of cut nails is less than 24 per cent. that of wire nails, yet, there is an increase of nearly 500,000 kegs in this line over last year, although the quantity manufactured is not nearly what it was a few years ago.

The production of cut nails during the past six years was as follows: 1892, 4,507,819 kegs; 1893, 3,048,933 kegs; 1894, 2,425,060 kegs; 1895, 2,129,894 kegs; 1896, 1,615,870 kegs; 1897, 2,106,799 kegs.

The total production of both wire and cut nails was 11,104,044 kegs in 1897; 6,335,730 kegs in 1896; 7,971,297 kegs in 1895; 8,106,861 in 1894; 8,144,878 in 1893; and 9,227,343 kegs in 1892.

There are no official figures as to the production of nails in Canada, but it is estimated by manufacturers here that the output of wire nails last year was 250,000 kegs, and that of cut nails, 200,000 kegs.

If some people were in as much hurry to get to business as they are now in a hurry to get away therefrom, they would be a great deal better off than they now are.

KEEP A FULL LINE.

VERY few things in the world are more melancholy and desolate in appearance than a department which is improperly run and stocked, because of negligence or lack of capital, says Stoves and Hardware Reporter. It is much better where such conditions prevail to close out the department entirely rather than allow it to continue in such an incomplete and unsatisfactory state. An inadequate and insufficient assortment is worse than none at all, as customers are always desirous to see a full line before making their purchases. Consequently, where there are too few goods, there is a corresponding sparsity in the number of sales made. However assiduous a clerk may be, he is powerless to effect sales under such unfortunate circumstances, and, therefore, should not be reprimanded when the stock and not he is at fault. Every merchant who is able to do so attempts to have a suitable and seasonable assortment of sizes, designs and makes of goods. But a lack of capital frequently causes the merchant to delay ordering new goods when the stock is running low, and for this reason sizes in certain articles which are most in demand are more or less depleted, and thus many sales are lost and sometimes the customers as well. The writer has often observed such remissness in hardware stores, particularly in those departments containing housefurnishing goods where only the huge or extremely diminutive sizes were in stock, as if only hotels or Lilliputians were being catered to, entirely ignoring the existence of ordinary-sized families possessing average appetites and desires. If clerks in these departments were more frequently asked about the preferences of the trade many of such mistakes could be avoided; and by thus inducing the clerks to take a greater interest in their departments and keep them in better condition the store would become more prosperous. No merchant should feel himself above consultation with his clerks or above striving to learn from those who come in direct contact with patrons just what classes of goods find the most favor in their eyes.

RETAIL HARDWARE NOTES.

J. Hillhouse, Clifford, has just returned from his wedding trip.

Trail Bros., Walkerton, are supplying two cars of steel for the new city hall, Stratford.

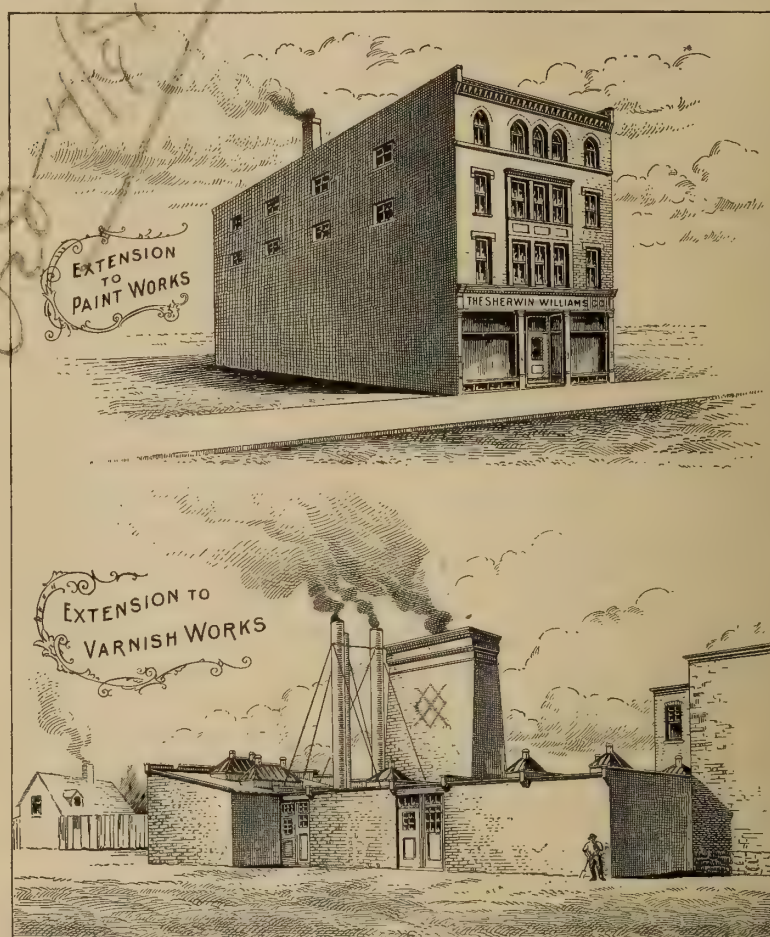
Hugh McLaren, Port Elgin, has purchased the property which he had previously occupied for his hardware business, and is now fitting it up in modern style.

Thompson Bros., Port Elgin, report an

extensive trade in all lines of hardware this season.

SHERWIN-WILLIAMS EXTENSIONS.

The illustrations below show the additions being made to the Sherwin-Williams Co.'s Montreal plant. The new premises



adjoin the old ones, and will be ready for occupation in a couple of weeks. This company are preparing to double their output for 1899.

BRASSFOUNDERS AND THE COPPER MARKET.

The brassfounders are a good deal on the qui vive concerning the advance now going on in copper and the effect upon discounts. When we state that it is estimated that a difference of £10 a ton in copper, either up or down, makes a difference on the selling price of brass goods of something like 2½ per cent., it is easy to understand the current nervousness. It may be well concluded that a sudden rise or a fall in the copper market, to any large extent, would cause quite a dislocation in the brassfoundry trade. The brass trade is, in a great measure, preserved from that unsteadiness of prices which is the bane of many others; but it is subject, in a peculiar manner, to fluctuations arising from the ups and downs of the metal market. We have it on record

that the first meeting of brassfounders, now 115 years ago, was for the purpose of revising discounts consequent on a sudden rise in the price of copper. From this meeting, indeed, we may date the practice of readjusting prices by means of raising or lowering discounts. The method, invari-

able in the brass trade, gave the cue for the initial demand on the part of the infant brassworkers' society in 1872 for the raising of wares by the adding of a 15 per cent. bonus.—Hardwareman, Birmingham.

G. W. Willis & Co., general merchants, Buckley Bay, B.C., have been burned out; loss, \$5,000; insured for \$2,000.

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

RETAIL HARDWARE ASSOCIATIONS.

DILATING upon the question of retail hardware associations, a writer in Metal Worker says: While nothing new is, or can be said as to the present state of affairs, it serves to illustrate how firmly ingrained in all the trade is what is termed the undue competition for business.

It can be assumed that nearly all trades are subjected to like conditions and are searching for a remedy for them. So far as stoves are concerned, they ought to afford a very simple problem to handle at a profit, yet, he says: "Why is it that many cook stoves of recognized merit, handled by dealers in adjoining towns, are sold at so low a margin as to make many of the dealers think seriously of throwing out the stove trade from their whole line?"

Practically the same question of profit confronted the stove manufacturers, who admit they are making and selling many stoves not only without profit, but at a loss. If a manufacturing industry with such a limited number engaged in it as there is in stove making, and with an old organization comprising more than half of the manufacturers and all of the largest makers, has not succeeded any better than they state they have in getting profits, what are the chances for retailers, like the hardware dealers, for securing them? The secretary makes this excellent suggestion: "Simply let us recognize the right and the desirability of every one in business making a good fair profit."

It can be relied upon that if this suggestion is adopted good results must follow. No goods sold without a profit should be the principle. The question as to this remedy for prices might be illustrated by the many suggestions for the cure of the drinking habit. There are lots of theories for it, but the real thing is to stop drinking. So with selling goods—don't sell them without a fair profit, if you want to avoid loss.

There is no question that the department stores and catalogue houses have proved a serious hurt to retail dealers, and there is not much hope of any decrease in this condition at present. If the retailer will take a critical look around his store and shop and note that he has got to be buyer, salesman, bookkeeper, mechanic, etc.—in short, run the whole business, with perhaps a very little cheap help added—he ought to wonder how he does exist in face of the great concerns with their superior executive forces, posted to capture all who come in, to say nothing of the large capital and credit under their control. In the old days, to be a good tinsmith was usually sufficient to run a stove store, and, a man who knew his trade, and was steady, could easily get credit and

FOR THIRTY YEARS

We have been studying paint, its best composition, and its best application. We have only one aim—that is, to make the best paint possible. The markets of the world are open to us.

If all white lead, or all zinc, made the best paint, it would be best for us to make it so. But experience shows that a combination of these two substances makes far better paint than either one alone.

Therefore, as we are neither white lead dealers nor zinc dealers, we use enough of each to produce the best results, and, with pure oil and the best drier, we make the paints that have made us,

THE SHERWIN-WILLIAMS PAINTS

They are made in the best way, and put up so they can be applied in the best manner, and will give the best results. Do you handle them?

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers

Walter H. Cottingham,
Managing Director,
Canadian Department.

CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON

a start, but in the average stove stores now, with the other business attached to them, it requires something more than the mechanical ability acquired at the bench.

The department store, as it is called, always has existed, not so much in cities as it has in the country. Stores have flourished all over the country, where you could get anything from a tack to a coach and four, including all the banking facilities that one needed. The city establishments of to-day are only the old country store with city improvements. So you will see all over the States village or town stores that are as citified in their methods and get up as their imperial brethren, and probably no better examples can be found of them than what the hardware and stove stores can furnish, and their up-to-date methods are very hard upon the good old fashioned stove store that is struggling for existence.

Every merchant and manufacturer is interested in this great matter of prices and competition, and it must be just as hard a problem with the large concerns as with the small stores. As difficult as the question is, it is better to try and do something toward helping to make the way easier than to go on as at present, and if associations of the retailers will contribute toward such results all should be encouraged to join in these movements.

TRADE CHAT.

ANDREW TOLTON, of Tolton Bros., implement manufacturers, Guelph, died at his home in that city on Thursday of last week.

McMillan & Hamilton, wholesale hardware dealers, Vancouver, have moved into their handsome new warehouse at the corner of Alexander street and Columbia avenue.

An effort is being made by parties interested in iron mines in Hastings county, Ont., to have the Grand Trunk railway open up the Eldorado and Madoc branch of the road, which has been closed for some time. The parties interested desire to develop the iron mines there, and want railway connection.

A. D. Ellis will be moved into his new store at the old stand by October 1. It is certainly one of the finest establishments of the kind in the country, and a credit to the enterprise of our oldest hardware merchant in the county. The county and town should be proud of this establishment.—Simcoe, Ont., Reformer.

PERSONAL MENTION.

Bob Johnson, the popular and widely known salesman of The Sherwin-Williams Co., is laid up at the Brockville hospital with a bad attack of typhoid fever. He was taken ill over a week ago. His friends are very anxious about his condition.

BUSINESS CHANGES.**DIFFICULTIES, ASSIGNMENTS, COMPROMISES.**

CURTIS, MORRISON & Co., dealers in paints and wall paper, London, Ont., are seeking an extension.

Eric Bissonette, saddler, Montreal, has assigned.

Arthur Alain, blacksmith, Quebec, has assigned.

D. Scheaffer, general merchant, Edmunston, N.B., is offering 35c. on the dollar.

McLeod & Spence, general merchants, Port Elgin, N.B., are offering 40c. on the dollar.

J. A. Pelletier, general merchant, etc., Riviere Oule, Que., is offering 45c. on the dollar.

Burn Bros., general merchants and lumber dealers, Northport, N.S., have assigned.

The British Columbia Iron Works Co. are offering 50c. on the dollar to their unsecured creditors.

Gagon & Caron have been appointed curators of H. Lecadre, general merchant, Grand Mere, Que.

Kent & Turcotte have been appointed liquidators of The Three Rivers Iron Works Co., Three Rivers, Que.

Insolvency declaration has been applied for by J. R. Hayes, general merchant, Sandy Point, Newfoundland.

PARTNERSHIPS FORMED AND DISSOLVED.

Th. Goulet & Co., contractors, Montreal, have dissolved.

Morel & Belanger have registered partnership as painters in Montreal.

The firm name of D. D. Morton & Son, general merchants, Centreville, N.S., has been changed to Morton Bros.

John Ryan, Toronto, and Allen R. Macdonald, Cascades Point, Que., have registered partnership under the style of Ryan & Macdonald, contractors, Cascades Point.

SALES MADE AND PENDING.

The Griffith Cycle Corporation are selling out in Halifax.

The assets of Roy Pierre, general merchant, Ste. Eloie, Que., have been sold.

J. W. Woolfe, general merchant, Gladstone, Man., is advertising his business for sale.

E. G. Hipwell, general merchant, Westbourne, Man., is advertising his business for sale.

The bailiff's sale of A. Westman, dealer in hardware and butchers' tools, Toronto, is advertised.

The business of A. J. O'Meara, dealer in cash registers, Quebec, is advertised for sale on October 3.

The assets of Wright & Cowper Co., bicycle dealers, etc., Montreal, are advertised for sale on October 3.

Dame Emile Rousseau, (Mrs. Dumas), hardware dealer, Quebec, is advertised to be sold out by bailiff's sale on October 4.

CHANGES.

Dan. Briggs, blacksmith, Greenfield, Ont., has moved to Maxville.

T. B. Willis, general merchant, Brougham, Ont., is removing to Markham.

The Ryan Trading Co., general merchants, Glenora, B.C., are giving up business.

Crottie Bros., general merchants, Kleinburg, Ont., have been succeeded by Fred. East.

F. S. Green, hardware dealer, Waterford, Ont., has been succeeded by Shildrick & Collier.

Hy. Stephenson, general merchant, Norwood, Ont., has removed to Coe Hill Mines, Ont.

S. K. Colquhoun, general merchant, Hartney, Man., has been succeeded by Parkin & Moore.

Hermine Precourt has registered as proprietress of J. B. L. Precourt & Co., contractors, Montreal.

The style of the Algoma Coal Mining Co., Limited, Toronto, has been changed to the Superior Gold and Copper Co., Limited, of Michipicoten.

FIRES.

The hotel of D. Dockstader, general merchant and hotelkeeper, Port Haney,

B.C., has been burned out; loss estimated at \$2,000; insured.

Joseph Ostigny, blacksmith, Adamsville, Que., has been burned out; insured.

The premises of W. R. Cuthbert & Co., brass founders, Montreal, have been slightly damaged by fire; insured.

DEATHS.

W. M. McKibbin, manufacturer of bricks, Kincardine, Ont., is dead.

Andrew Tolton, of Tolton Bros., manufacturers of agricultural implements, Guelph, is dead.

PATENT REPORT.

Below will be found the list of patents recently granted to Canadian inventors through Marion & Marion, solicitors of patents and experts, New York Life building, Montreal: Nos. 61091, Pierre Louis Wilfrid Dupre, Ste. Theodosie, Que., adjustable shafts for vehicles; 61101, Arthur W. Mackinlay, Alberton, P.E.I., lawn mower; 61105, Eusebe Hardy dit Lesage, Montreal, improvement in shoes; 61106, George A. Robertson, Westmount, P.Q., catch basin; 61114, William H. Belford, Riding Mountain, Man., picture hanger or support; 61151, James Weeks, Carleton Place, Ont., advertising calendar; 61188, Absalon W. Steeves, Boston, Mass., spraying machines; 61194, Napoleon Fournier, St. Germain de Grantham, Que., wheelbarrow.



GILBERTSON'S

"COMET"

BRAND

Patent Flattened Galvanized Steel Sheets

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe," "Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . . 22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

WHOLESALE
MERCHANTS

37-39 Front Street West

TORONTO



Marlin Repeating Rifles.



Winchester Repeating Rifles and Shot Guns.



Piper's Breech-Loading Guns.

10 12, AND 16 GAUGE

RELOADING TOOLS, SHOT POUCHES, POWDER FLASKS.

American Deadshot, 25-lb. kegs.

POWDERS

Schultze Smokeless, in ½-lb. Tins.

GRAHAM Cut and Wire Nails are the Best.

H. S. HOWLAND, SONS & CO.

ORDER SOLICITED.

TORONTO.

OUR PRICES ARE RIGHT.

Revolvers, Flobert Rifles, Ammunition.

Loaded Shells, Shot, Wads and Caps.

MANITOBA MARKETS.

WINNIPEG, Sept. 27, 1898.

There has been no change of price in any line of hardware to report for the week. Wholesale men say they do not anticipate any marked change until after navigation closes. Business is steady, but with no specially active movement in any one line.

Turpentine is very firm, and an advance of from 3 to 5c. is looked for almost immediately.

Glass is almost the only thing that is moving rapidly these days, the demand for both plate and common glass being exceptional. Price list for this market remains as last revised:

Barb wire, 100 lb.	\$2 40
Plain twist wire and staples.	3 00
Oiled annealed wire.	10 20
"	11 20
"	12 30
"	13 30
"	14 30
"	15 30
Poultry wire, per 100 feet	55
Wire nails, 30 to 60 dy, keg.	2 35
" 16 and 20	2 40
" 10	2 45
" 8	2 50
" 6	2 65
" 4	2 75
" 3	3 00
Cut nails, 50 and 60 dy.	2 15
" 20 to 40	2 20
" 10 to 16	2 25
" 8	2 30
" 6	2 35
" 4	2 60
" 3	2 85
" 3 fine	3 15
Horse nails, 45 per cent. discount.	
Horse shoes, iron, light, medium and heavy, keg.	3 90
Snow shoes.	4 15
Steel, light.	4 15
" extra light.	5 75
Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	
Tool steel, Black Diamond, 100 lbs.	8 00
Jessop	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge.	3 75
28 gauge.	4 00
Galvanized American, 16 to 24 gauge.	4 00
26 gauge.	4 25
28 gauge.	4 50
Genuine Russian, lb.	12
Imitation	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge	7 50
28 gauge	8 50
Tin plate, 1C charcoal, 20 x 28, box	8 50
" IX	10 50
" IXX	12 50
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lbs	6 50
Broken lots.	7 00
Pig lead, 100 lbs.	4 25
Wrought pipe, black, 1/4 inch.	2 50
" 3/8 inch.	2 75
" 1/2 inch.	3 00
" 3/4 inch.	4 00
" 1 inch.	5 00
" 1 1/4 inch.	7 00
" 1 1/2 inch.	8 50
" 2 inch.	11 50
Over 2 inch.	65 p.c.
Rope, sisal, 7-16 and larger.	12 00
" 3/4	12 50
" 1/2 and 5-16	13 00
Manilla, 7-16 and larger	13 50
" 3/4	14 00
" 1/2 and 5-16	14 50
Cotton, all sizes, lb.	16
Axes, per box	\$5.50 to 8 00
Screws, flat head, iron	85 p.c.
" Round	77 1/2 p.c.
" Flat " brass	80 p.c.
" Round "	72 p.c.
Bolts, carriage	60 p.c.
" Machine	60 p.c.
Tire	55 p.c.
Sleigh shoe	65 p.c.

Rivets, iron.	50 p.c.
Copper, No. 8, lb.	28c.
Spades and shovels.	40 p.c.
Harvest tools.	60 to 60-10 p.c.
Axe handles, turned, s. g. hickory, doz.	\$2 50
No. 1.	1 50
No. 2.	1 25
Octagon extra.	1 65
No. 1.	1 25
Linseed oil, raw, per gal.	55
boiled	58
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol.	25 p.c.
" military.	15 p.c.
American R.F.	35 p.c.
C.F. pistol.	5 p.c.
C.F. military.	Net
Loaded shells, Robin Hood, M	\$20 00
Eley's 12 gauge, M.	16 00
American, M.	16 20
Shot, Ordinary, per 100 lbs	6 25
Chilled	6 75
Powder, F.F., keg.	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed.	.70 and 30 p.c.
Granite ware, according to quality.	50 to 60 p.c.

WEIGHTS AND MEASURES INSPECTION.

The Guelph Board of Trade, some time ago, communicated with other boards throughout Canada asking co-operation in petitioning the Dominion Government to make the inspection of weights and measures free.

The matter has been taken up by the Kingston, Ont., board, which has communicated with the Guelph board, expressing willingness to co-operate with it in the matter.

The Ottawa, British Columbia, Vancouver, Victoria, St. John, N.B., and Toronto boards, have promised to take the subject into consideration.

The present system is as crude as it is unjust, and, if the Government can be persuaded to give it proper consideration, there ought to be no difficulty in devising an improvement therein.

FIRE IN A SCALE FACTORY.

The scale factory of John Chatillon & Sons, Cliff street, New York, was badly damaged by fire on Friday last. The fire originated in the basement, burning through the first and second floors, only the upper storeys being fireproof.

The offices and salesrooms were completely gutted, and a valuable stock of scales and balances destroyed.

Six years ago, this firm suffered a much more disastrous fire than the present one.

Temporary offices are secured opposite, and work goes on in the factory on the third and fourth floors.

ALUMINUM PAPER KNIFE.

HARDWARE AND METAL is indebted to The Atlas Metal Co., for the present of a convenient aluminum paper knife and envelope opener. Mr. Henry G. McLaren is their Canadian representative. He speaks encouragingly of the prospects for future business. He has just returned from Ottawa, where he did a very successful business.

Safes, Scales
Trucks, Barrows, etc.

Goldie & McCullough's Safes, Vaults, Doors, etc.
Standard Scales of every size and variety.
Trucks and Barrows for every service
Show Cases, every design and size.
Butchers' and Blacksmiths' Supplies.
Second-hand Safes bought, sold, exchanged or repaired.

F. M. SULLIVAN.

Office—308 St. James St.

MONTREAL, QUE.

Factory—419 St. Paul St.

Emery and Hardware
Specialties

Hamilton, Ont. COOKE HARDWARE CO.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent,
April 3 1897.

With Plated Rust Proof and Guarded Spring.
"The Latest and Best." Sold by all Leading
Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety,
Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and
Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

KNOX HENRY.

Heavy Hardware and Metal Broker

Room 220 1/2 Board of Trade, MONTREAL.

SPECIALTIES—Bar Iron, Steel, Railway Spikes, Pressed Spikes, Cut Nails, Wire Nails, Tacks, Horse Shoes—(Diamond Brand), Horse Nails—"C", Pig Tin, Pig Lead Babbit Metal, Solder, etc. Correspondence solicited.

AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods
We make a specialty of.... Can ship promptly and supply the very best

"Hand Shaved"

Octagon
Axe Handles ^{MADE BY} Indians

being the largest dealers in Canada in this line.
Can give exceptional value.
Have 5,000 dozen of these handles
on hand, ready for polishing.
Write for prices.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.



Emery

Write for Latest Catalogues and Samples to

The **LONDON EMERY WORKS CO.**, 10-12 Vine Street, Clerkenwell, **LONDON, E.C.**

— AGENTS WANTED. —

Cloth and Paper.
Glass and Flint Paper.

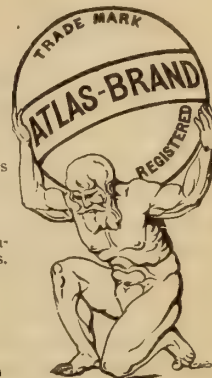
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.

Grinding Machinery.



Window Glass



We have a large, well assorted stock.

Sanderson Percy & Co., - Toronto

CANADIAN ADVERTISING is best done by THE
E. DESBARATS ADVERTISING AGENCY,
MONTREAL.

ISLAND CITY Paint and Varnish Works

.. Manufacturers of ..

READY MIXED PAINTS and
FINE COACH VARNISHES.

WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.
WORKS 274 St. Patrick St., MONTREAL.

BOLTS STOVE TIRE RIVETS OF ALL KINDS.

Montreal Agent—KNOX HENRY,
Board of Trade Bdg.

Toronto Agent—LOUIS HUFFMAN,
1634 King Street West.

CHALCRAFT SCREW CO. BRANTFORD, ONT.

We are the Oldest and Largest Manufacturers of

SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The...

John Morrow Machine Screw Co.
Ingersoll - Ontario.

CAUTION.



As some jobbers are trying to substitute other Lanterns to their customers, when ours are asked for, the trade are respectfully requested to see that they get "WRIGHT'S" Lanterns when they order them, as there are no lanterns equal to them in the market.



E. T. Wright & Co.,
Manufacturers,
Hamilton, - Ont.

Good Luck

*Dry Fibre Brand of
Felt Sheeting*

Manufactured by

LOCKERBY & McCOMB

Manufacturers of

All Kinds of Roofing Paper

Pitch and Coal Tar

65 Shannon Street

..... MONTREAL

WESTERN Incorporated 1851. ASSURANCE COMPANY

Fire and Marine

Capital, subscribed	\$2,000,000.00
Capital - - -	1,000,000.00
Assets, over - -	2,320,000.00
Annual Income -	2,300,000.00

Head Office: TORONTO, ONT.

Hon. Geo. A. Cox, President. J. J. Kenny, Vice-President
C. C. Foster, Secretary.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

REDUCTION IN ROPE.

MANUFACTURERS have announced a reduction of 1c. per lb. in the price of rope. The lower price was made feasible by the decline in the value of hemp. It was made expedient because jobbers were underselling the manufacturers, in some cases to about the extent of this reduction. The present prices of manilla and sisal hemp leave makers what is usually considered a fair profit for manufacturing. Lowering the price proved a tardy measure of relief, as jobbers who had low cost rope on hand were in a position to cut manufacturers' prices, and yet make a good profit. The situation was made the most of while conditions continued favorable.—Iron Age, Sept. 22.

PIG IRON IN PITTSBURG.

The amount of pig iron sold during the past week was not large, as neither side of the market seemed disposed to push trade. It is stated that Bessemer is hardly as strong as it has been for several weeks past, and that the \$10 rate has been shaded in the valley. The majority of holders still assert, however, that last week's rate still prevails. Hence, it can be seen that the entire market, this week, is about what it was at last report.—American Manufacturer, Sept. 22.

ACTIVE TRADE WITH AUSTRALIA.

Trade with Australia continues quite active; the buying under way is generally for smallware. Orders were placed recently, by a Broad street firm, for what they claim to be unusually large orders for trunks, rope, hardware and iron pipe. Other shippers to Australia report that purchases of manufactured iron will be made this week to some extent. The transactions in street rails have also been quite numerous this week; various lots have been bought from one mill agent in Wall street.—N.Y. Journal of Commerce.

BILLETS AND RODS IN PITTSBURG.

A transaction involving about 15,000 tons of billets was made in the week, on a basis of about \$16, maker's mill, Pittsburg. The market is from \$16 to \$16.25. The mills are filled to their utmost capacity, one foreign enquiry for 1,500 tons going without even a quotation from the local mills. Sheet and tinplate bars are very scarce. The fair delivery noted last week was short lived, as consumers are again calling loudly for their material. The quotation on sheet and tinplate bars is difficult to determine accurately, but the range is apparently from \$17.50 to \$18, maker's mill, Pittsburg, and \$17.25 to \$17.50 Wheeling and Valley. Rods are

firm at \$22, with few available for early delivery.—Pittsburg correspondent The Iron Trade Review, Sept. 29.

NEW YORK METAL MARKET.

PIG TIN—A quite good business continues to be effected quietly, but none of it through the nominal speculative medium, and comparatively little that does not involve actual tin. Prices moved up a fraction, or to the basis of 15.20 to 15.25c. for lots of five tons or more, ex dock or in store, and 15.25 to 15.30c. free on board. Ordinary jobbing lots commanded about the usual difference. No new arrivals were officially bulletined. The greater portion of the 2,750 tons landed at Atlantic ports thus far this month has passed out of first hands, leaving the statistical position virtually the same as it was three weeks ago. There are now 2,790 tons afloat for this country.

COPPER—The market was without decided change. Exports keep up well, and deliveries to home consumers are of quite liberal amount, but new business was only fair, and inquiries were by no means of unusual type. Prices are still held quite firmly, however, at 12 $\frac{3}{8}$ to 12 $\frac{1}{2}$ c. for Lake Superior ingot, 12 $\frac{3}{8}$ to 12 $\frac{1}{4}$ c. for electrolytic bars, etc., and 11 $\frac{7}{8}$ to 12c. for ordinary casting stock.

PIG LEAD—Carload lots of common domestic were sold at 3.97 $\frac{1}{2}$ c. for prompt and near future delivery. Some business was rumored at as low as 3.95c., but of this there was no confirmation. Bids of over 3.62 $\frac{1}{2}$ c. were, however, the exception, and not at all numerous.

SPELTER—Dealings here are still on rather moderate scale and the demand is tame, but enough business passes at the several trade points to hold prices on the basis of 4.75 to 4.85c. for delivery here. The London market was cabled firm at £22 for good merchant bars.

ANTIMONY—Business is moderate and prices remain steady at 9 to 9 $\frac{1}{2}$ c., as to brand and quantity.

TINPLATES—There is no vigor to business in American plate at the moment, since large buyers have their probable wants for three to six months ahead well covered. Such as it is, however, the current business is at steady prices.

IRON AND STEEL—Pig iron is fairly firm and meeting with quite as good sale as usual at this season of the year. Old material is steady at former prices, but quieter.—N.Y. Journal of Commerce.

SPECIAL CASTING FACILITIES.

W. R. Cuthbert & Co., Montreal, have lately manufactured a phosphor bronze pipe 10 inches in diameter by 6 feet long. This firm have lately completed facilities for turning out special castings, and the large number of orders ahead means a further extension of their premises in the near future.

—THE—
CANADA
PAINT
COMPANY
— LIMITED —

**"THE
"PLAIN
"EVIDENCE
"OF FACTS
"IS SUPERIOR
"TO ALL
"DECLARATIONS."**
—JUNIOUS.

The following facts are taken from a Canada Paint Company's Liquid Paint label. Each package is a telling advertisement:

"OUR LIQUID PAINTS

are made from **GENUINE COLORS**, of great covering power, which are the best preservatives for Wood, Iron and Stone. They will **DRY QUICKLY** with a hard **GLOSSY SURFACE**, and will work freely under the brush, and can be applied by any one.

They are prepared in selected shades, together with Outside and Inside White and Black. Guaranteed to give perfect satisfaction; will not crack, flake or chalk off.

We claim them to be unequalled by any paints in the market for beauty and durability. If you want good and satisfactory work done, be sure that you get our celebrated brands, and do not allow yourselves to be imposed upon by having inferior brands forced on you."

—THE—
CANADA
PAINT
COMPANY
— LIMITED —



Ontario Nut Works, Paris
BROWN & CO.
 Manufacturers of
 All sizes of Hot Pressed
 Nuts, Square and Hexagon

IN RUNNING ORDER

The fire that lately damaged our premises somewhat, is not as severe as we thought, and the various departments in our works are now in running order.

(43) **W. R. CUTHBERT & CO.,**
 Duke St., Montreal. Brass Founders, Etc.

THE OAKVILLE BASKET CO.,

Manufacturers of

1, 2, 3 Bushel

Grain

AND

Root

BASKETS

THE OAKVILLE
 BASKET CO.



**ONE
 DOLLAR
 A
 YEAR**

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 Sample
 Copy
 Free
 ★

D. T. Mallett
 Publisher
 271 Broadway
 New York

The Canadian Mining Exhibit Co., Limited

Will give you any information in reference to Mines or Minerals found in your district.

Assays made by their own Assayers

If you have or know of any Minerals you do not know the value of, send Samples to us, and we will let you know whether it is worth anything to you.

Mining Properties Valued by Experts

**THE
 CANADIAN MINING EXHIBIT CO., Limited**

650 Craig Street

... MONTREAL.

Canadian Mining Institute

**PROSPECTORS'
 CORRESPONDENCE
 CLASSES
 A SPECIALTY.**

Write for particulars.

THE New White Metal Polish "Nanon"

The Queen of Polishes.

Imparts instantaneously a dazzling and lasting

BRILLIANCY

to Brass, Tin, Nickel, Zinc, Gold, Silver, etc. Free from grit or emery, and will not scratch the finest surface.

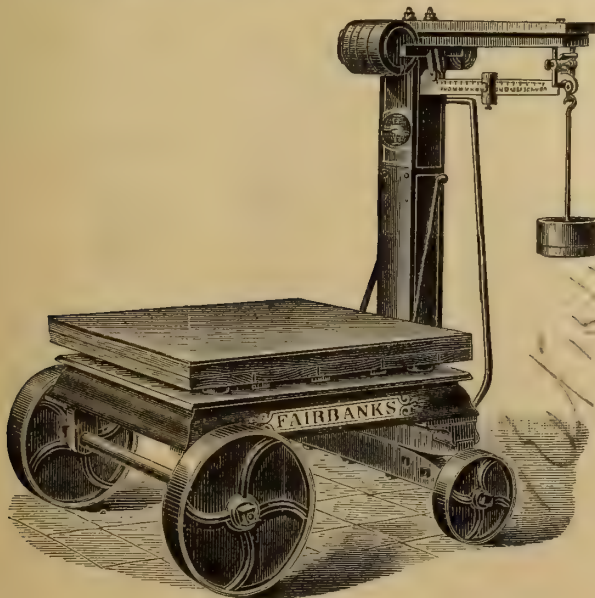
Samples on Application.

LAMPLOUGH & McNAUGHTON

Montreal

Sole Agents for Canada.

FAIRBANKS STANDARD SCALES.



THIS SCALE is especially adapted for weighing iron and steel and heavy boxes—the rubber springs protect the bearings. **OTHER SCALES** are especially adapted for other uses. Write us what you use scales for.

CHATILLON BALANCES for butchers' use are unequalled.

Trucks, Forges, Nicholson Files,
 Gas and Gasoline Engines,
 Valves and Factory Supplies.

THE FAIRBANKS CO.

— No. 749 Craig Street, MONTREAL.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Sept. 30, 1898.

HARDWARE.

BUSINESS has continued fairly active in hardware during the week, but especially in shelf goods, such as cutlery, orders being of an expanding character. Screws, hinges, nuts, washers, and such small material, have also met a fair demand. Wire nails are quite active in a jobbing way, and cut nails also meet with a steady, quiet demand. Cordage is easier, both for sisal and Manilla, and demand for it is light. Cement continues firm at the late advance and points still higher.

BARB WIRE—Little trade moving, but prices are steady on the basis of \$2 f.o.b. Montreal.

PLAIN WIRE—There is little activity to report in this line. Discounts are 40 per cent. on oiled and annealed and 35 per cent. on galvanized.

WIRE NAILS—Quite a fair demand is noted, but only small lots are taken. Values range from \$1.75 to \$1.80.

CUT NAILS—There is a fair jobbing trade

in these. We quote \$1.75 f.o.b. Montreal, Toronto, Hamilton and London, with the usual rebate of 5c. per keg.

HORSE NAILS—Demand for these has continued to be fair. Discounts are 50 per cent. on Standard, 50 and 20 on Acadia brand.

HORSESHOES—A moderate business is doing. We quote as follows: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35.

SCREWS—There is a fair trade passing. Discounts are as follows: Flat head bright 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—Trade in these continues good. Discounts are: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS—A fair trade is doing. Dis-

counts are: Iron, black and tinned, all sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Business is only fair and prices are easier, both on sisal and manilla. We quote: Sisal, 7-16 and up, 10 to 10¼c.; ¾, 10½c.; 5-16 and ¼, 11 to 11¼c., and 3-16, 11½c.; manilla, 7-16, 11½c.; ¾, 12¼c.; 5-16 and ¼, 13c., and 3-16, 13¾c.

CLOTHES WRINGERS—There is a moderate demand for these, with prices steady on the basis of \$29 to \$30, according to brand.

BELTING—There is a quiet trade doing in belting and values rule steady.

HINGES—In fair enquiry, with prices steady. We quote as follows: 6 to 12 inch, \$3.15 per 100 lb.; 14 inch, \$2.35; T and strap, 70 and 10 per cent., and screen door, \$6.50 per gross pair.

SPADES AND SHOVELS—Business ruled very quiet this week. Discounts are unchanged at 40 and 10 per cent.

BUILDING PAPER—Quiet, with values steady. We quote as follows: Fibre, tarred, 45c.; dried, 35c.; sheathing, tarred, 27c.; dried, 22c.; tarred roofing felt, \$1.10.



The Grater THAT GRATES.

(GILMORE'S PATENT.)

Patented in Canada and United States.

NO TROUBLE TO USE, AND
NO TROUBLE TO CLEAN.

A SURE SELLER

Packed in parcels of One Dozen.

We are Sole Agents for Canada.

If you want your goods quick, order from McClarys.

ONE STROKE DOWN grates material perfectly;

ONE STROKE UP cleans the grater;

without the least waste.

The McClary Mfg. Co.

LONDON

TORONTO

MONTREAL

WINNIPEG

VANCOUVER

The genuine is stenciled "Apollo-Vandergrift"

**APOLLO BEST BLOOM
GALVANIZED IRON.**

The only galvanized iron,
that is as good as galvanized iron can be, is Apollo.

Apollo Iron and Steel Company
Vandergrift Building
Pittsburgh

Works: Apollo and Vandergrift, Pa.

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

ROLLING MILLS

.. MONTREAL

MERCHANT BAR IRON—

	BRAND
Best Refined Bar Iron	AVB
" " Rivet Iron	AVB
" " Horseshoe Iron	
Ex. Best " Bar Iron	AXB
" " Rivet Iron	AXB
" " Stay Bolt Iron	AXB
" " Hammered Iron	AHB
" " Charcoal Iron	ACB

Tyre, Sleigh Shoe,
Axe and Rivet STEEL.

CANADA IRON FURNACE CO.,

Manufacturers of

Limited.

CHARCOAL Pig IRON

MONTREAL.

BRAND "C.I.F." THREE
RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

SPORTING GOODS—There is an expanding enquiry for these, particularly for guns and ammunition.

CUTLERY—An active trade has been maintained both in table and pocket cutlery.

CEMENT—An active demand has been experienced for cement, and prices are quite firmly held as a result of further advances cabled from Belgium. We quote: Belgian, \$1.85 to \$2.05; German, \$2.35 to \$2.50, and English, \$2.25 to \$2.35, with domestic \$1.95 to \$2.

FIREBRICKS—In good demand, and steady at \$16 to \$21 per 1,000, as to brand.

METALS.

There has been no special change in iron or metals during the week, but trade continues active in all leading lines, both for prompt and forward shipment.

PIG IRON—There has been very little change in this line, a fair trade being transacted at steady prices. We quote as follows: No. 1 Hamilton, \$15 to \$15.50; No. 2, \$14.50; Ferrona, \$14.50 to \$15; Siemens, \$14.50 to \$15, and Summerlee and equal brands, \$17, ex wharf, and \$18 to \$18.50 ex yard.

BAR IRON—Quite a few car lot transactions in bar iron have been put through during the week on the basis of \$1.35, and we quote prices steady at \$1.35 to \$1.40.

HOOPS AND BANDS—Trade continues fair, and prices steady at \$1.75 to \$2.

SHEET STEEL—In fair demand, with prices unchanged. We quote as follows: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON—There is a fair trade doing. We quote as follows: \$2.10 on 10 to 16 gauge; \$1.80 on 18 to 20 gauge; \$2 on 22 to 24 gauge; \$2.10 on 26 gauge, and \$2.15 on 28 gauge.

GALVANIZED IRON—In active enquiry, with prices steady. Some jobbers are light of supplies, but have stock on the way. We quote: "Queen's Head," No. 28, \$4.10 to \$4.15, and "Comet," \$3.75.

INGOT COPPER—Quiet but firm, at 13c.

SHEET COPPER—The same remarks apply to this line. We quote: 16 oz. at 16c., and 14-oz. at 17c.; tinned copper, 16-oz., 18c., and 14 oz., 18½c.

INGOT TIN—Quiet, but firm in tone abroad. We quote "Straits" 17½c., and "Lamb" and "Flag" 18c.

PIG LEAD—Steady, with both American and Spanish held at primary points. We quote \$3.70 to \$3.80.

IRON PIPE—There is a good enquiry for iron pipe of the staple sizes. We quote: Black pipe, ¼-inch and ¾-inch, \$1.95; ½ inch, \$2.20; ¾-inch, \$2.60; 1-inch, \$3.60; 1¼-inch, \$4.75; 1½-inch, \$6.15, and 2-inch, \$8.25. Galvanized, ½-inch, \$3.75; ¾-inch, \$4.50; 1-inch, \$6.30; 1¼-inch, \$8.65; 1½-inch, \$11, and 2-inch, \$15.

LEAD PIPE—As last quoted, ordinary 7c., and composition waste, 7½c., with 25 per cent. discount

CANADA PLATES—The activity on these goods is well maintained. We quote: 52's,

WIRE.

Oliver Wire Co's

Barbed, and other Fencing Wires,
Telephone Wire, Nail Wire, etc.

The Whitecross Co's

Telegraph Wire, Spring Wire,
and special grades for all purposes.

WIRE ROPE of all grades.

A. C. LESLIE & CO.

MONTREAL

Sanderson's Tool Steel in stock.

"GREENING'S

Cow Ties."

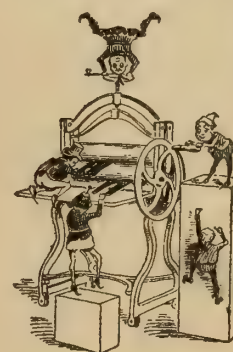
These Cow Ties have stood the test for years. Undoubtedly the best and strongest on the market.

It will pay to handle only the best. A complete line of all sizes ready for shipment. For sale by all jobbers.

The B. Greening Wire Co.

LIMITED

MONTREAL AND HAMILTON.



Mangles

Always in season,
but especially so
in hot weather.

Three different
kinds—send for
Catalogue.

Should be univer-
sally used.

THE DOWSWELL MANUFACTURING CO., Limited

Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers,
Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

\$2.15 to \$2.20; 60's \$2.30, and 75's \$2.40 to \$2.45. Full polished, \$3.

TIN PLATE—There is a fair enquiry for these, and prices are firmly held on spot and for importation. We quote as follows: Coke, I. C., \$2.90 to \$3.25; charcoal, I. C., Allaway or Comet brands, \$3.25; do, I. X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I. C., \$3.95; do, I. X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Enquiry fair and values firm at \$6 to \$6.25.

COIL CHAIN—Quiet, but steady. We quote as follows: $\frac{1}{4}$ -inch, \$5; 5-16, \$3.50; $\frac{3}{8}$, \$3.25; 7-16, \$3.15; $\frac{1}{2}$ -inch, \$3, and $\frac{5}{8}$ up, \$2.85.

SHEET ZINC—Firmly held at rather higher prices, viz., $6\frac{1}{4}$ to $6\frac{1}{2}$ c.

SOLDER—In fair demand, with prices steady at $12\frac{1}{4}$ c.

ANTIMONY—demand both for cask and broken lots has been fair. We quote $9\frac{1}{2}$ to 10c., according to quantity.

SPELTER—Very steady at primary points, and firm here at \$5.50 to \$6.

GLASS.

Demand is active and prices are firmly held at the recent advance. Stocks, as we pointed out last week, are small and are decreasing rapidly, so that still higher prices are looked for in the near future. We quote as follows: First break, \$1.60; second, \$1.70 per 50 feet; first break per 100 feet, \$3.50; second, \$3.75; third, \$4; fourth, \$4.50; fifth, \$5.

PAINTS AND OILS.

There has been a fair movement in this line of trade. Now that the fall fairs have ceased to interfere with the regular demand, its volume is expected to steadily increase. The only change this week has been an advance of 1c. in the price of linseed oil, owing to stronger advices from abroad and small supplies.

WHITE LEAD—Best brands, Government standard, \$5.62 $\frac{1}{2}$; No. 1, \$5.25; No. 2, \$4.87 $\frac{1}{2}$; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, $4\frac{1}{2}$ c.; kegs, $4\frac{3}{4}$ c.; No. 1, casks, $4\frac{1}{4}$ c.; kegs, $4\frac{1}{2}$ c.

WHITE ZINC PAINT—Pure, $6\frac{1}{2}$ c.; No. 1, $5\frac{3}{4}$ c.; No. 2, 5c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 49c.; boiled, 52c., five-barrel lots one cent less net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 47c.; large lots, 1c. less, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at $8\frac{1}{4}$ to $8\frac{1}{2}$ c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, $4\frac{1}{2}$ to $5\frac{1}{2}$ c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

There is a fair trade in hides and prices are steadily held. We quote:

Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3., 7c. Lambskins are steady at 65 to 70c.

ONTARIO MARKETS.

TORONTO, Sept. 30, 1898.

HARDWARE.

BUSINESS continues to be of a fairly satisfactory character. The demand is beginning to pick up a little for ordinary fence wire. Four point barb wire is 5c. lower, the Canadian manufacturers now quoting \$1.80 f.o.b. Toronto. Wire nails are meeting with a fair demand, but the condition of prices is unsatisfactory. Cut nails are slow. Orders are a little better, both for horseshoes and horsenails. A slight improvement is also to be noted in the demand for rope. Business seems to be picking up a little in both churns and wringers. Quite an improved demand is to be noted for the cheaper grades of spades and shovels and grain scoops. Cutlery is in favorable request. Trade in ammunition is fair.

BARB WIRE—The Canadian manufacturers have reduced the price of four-point barb wire 5c. per 100 lb., \$1.80 f.o.b. Toronto now being the idea as to price. In other kinds there are no changes. We quote: Four point, \$1.80 f.o.b. Toronto and London, and two point at \$1.90. Terms, 30 days or 2 per cent 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—Trade is beginning to pick up a little in ordinary fence wire, but business in hay-baling wire is still unsatisfactory. Discounts are: Annealed, oiled and annealed, 35 per cent.; galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 35 per cent.

WIRE NAILS—Trade is keeping up well, although the quantities moving are still small. The condition of prices is still unsatisfactory. The base figure is, as a rule, \$1.75 per keg, Toronto.

CUT NAILS—Trade is slow. Base price \$1.75 Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—These are going out more freely, and the demand is about equally divided between the standard and cheap brands. Discounts are: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—Orders are coming in freely. We quote: Iron shoes, light, medium, and heavy, \$3.25 f. o. b. Toronto, Hamilton, London, Guelph St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—A fairly steady trade is to be noted. Discounts are as follows: Flat head bright, $87\frac{1}{2}$ per cent.; round head bright, 80; flat head brass, $82\frac{1}{2}$, and round head brass, 75 per cent.

OAKEY'S

'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

Portland Cements

Best German, English and Belgian Brands

Calcined Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

HEADQUARTERS for BOILERS

Galvanized Range Boilers

"Reliance" } HIGH-CLASS
"Ronald's" } AMERICAN
BOILERS.

Copper Boilers

Radiators, Iron Pipe, Fittings

WRITE FOR PRICES.



ONTARIO LEAD AND
WIRE CO., Limited

 TORONTO

WAREHOUSE,

55, 57, 59 Richmond St. East.

OFFICE, 54, 56 Lombard St.

Telephones 1092, 763.

Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—There does not appear to be any decrease in business, the volume still being good. We quote: Common carriage bolts, $\frac{1}{4}$ to $\frac{1}{2}$ -16 inch, 70 per cent.; ditto, $\frac{3}{8}$ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, $4\frac{1}{4}$ c.; hexagon, $5\frac{1}{4}$ c.

RIVETS AND BURRS—Trade is steady. We quote: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—A slight improvement is to be noted in the demand, but the volume of business is far from satisfactory. We quote as follows: Sisal, 7-16 in. and larger, $10\frac{1}{2}$ c.; $\frac{3}{8}$ in., 11 c.; $\frac{1}{4}$ and 5-16 in., $11\frac{1}{2}$ c.; Manilla, 7-16 in. and larger, $11\frac{1}{2}$ c.; $\frac{3}{8}$ in., 12 c.; $\frac{1}{4}$ and 5-16 in., 13 c.; deep sea line, $13\frac{1}{2}$ c. for water laid, and $14\frac{1}{2}$ c. for machine-made; hemp, 7 to 9 c.; lath yarn, $8\frac{3}{8}$ c. Clotheslines, 48 feet, 90 c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—Trade is not quite as good as it was a week ago, although fair quantities are still moving. We quote as follows: Rope halters, $\frac{3}{8}$ in., \$8.25 to \$8.50 per gross; $\frac{1}{2}$ in., \$9.25 to \$9.50; $\frac{5}{8}$ in., \$11 to \$11.25. Leather halters—1 in., \$3.87 $\frac{1}{2}$ to \$4 per doz.; $1\frac{1}{4}$ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—A slight improvement in the demand is to be noted. We quote discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Trade is steady and a little better than a week ago. We quote: "New Leader" "Lightning," \$30 $\frac{1}{2}$ per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BELTING—Trade is fair. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," $57\frac{1}{2}$ to 60 per cent.; "Red Strip," 45 to $47\frac{1}{2}$ per cent.

HINGES—Business is moderate. We quote: 6 to 12 inch, inclusive, at \$3.15 per 100 lb., and 14-inch and upwards at \$2.35; light T and strap,

70 and 10 per cent.; screen door hinges, \$6.50 per gross pair.

SPADES, SHOVELS AND GRAIN SCOOPS—There is a quiet demand for the cheaper grades of spades, shovels and grain scoops. Some difficulty is still being experienced in getting supplies of the last named. Discount 40 and 10 to 45 and $2\frac{1}{2}$ per cent.

BUILDING PAPER—Trade in this line has shown quite an improvement during the past week. We quote as follows: Plain building, 27 to 28 c. per roll; tarred lining, 35 to 37 c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40 c. for plain and 45 c. for tarred; Northumberland plain, 30 c.; ditto, tarred, 40 c.; ditto, saturated, \$1.50 per 100 lb.; asbestos paper, $6\frac{1}{2}$ c. per lb.

SPORTING GOODS—A fair trade is being done in ammunition, but guns and rifles are quiet.

CUTLERY—Business is fair, but devoid of any special feature.

CEMENT—There is no decrease in the demand, dealers finding difficulty in filling orders. We quote in barrel lots: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.50; Canadian hydraulic cements, \$1 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

METALS.

The chief business is still being done in galvanized iron. In metals generally trade is moderate. Black iron pipe is firmer, with quotations higher than a week ago.

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About the

METALLIC CORNICES, SHEET METAL FRONTS, ETC.

That makes them most desirable for new buildings or improving old ones.

They make a handsome finish, can be quickly and easily applied, and give splendid, fireproof, durable protection.



CORNICE NO. 1187.

We make cornices in any shape, size or pattern desired,

Send for our catalogue and find out about these popular building materials, if you haven't them in stock.

The **METALLIC ROOFING CO., Limited**

1179 King Street West, TORONTO

PIG IRON—Prices are much as before, but we fail to hear of any transactions. We quote as follows: United States pig iron f. o. b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80. Hamilton iron, No. 1, in 100-ton lots, \$14, on track Toronto.

BAR IRON—Has been moving a little more freely. Prices are unchanged. We quote base price \$1.45 to \$1.55 from stock, and \$1.35 to \$1.45 from factory.

HOOP AND BAND IRON—The demand has been quite active during the week. We quote as follows: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—Business is fair at unchanged prices. We quote: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Not much doing. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Fresh supplies have arrived, and stocks are now in fair shape. The demand is good. We quote as follows: Queen's Head (case lots), 16 gauge, $3\frac{3}{8}$ c.; 18 to 24, \$3.87 $\frac{1}{2}$ c.; 26,

4½c.; W. G. 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, \$4; 26 gauge, \$3.75; 22 to 24 gauge, \$3.50. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are ¼c. per lb. higher than figures named.

INGOT COPPER—Quite a number of small orders have been received during the week, but no large lots appear to have changed hands. We quote: 12¼c. per lb. for quantities and 13c. for small lots.

INGOT TIN—A number of good sales have been made in Straits tin. Lamb and Flag is selling in small lots only. We quote: Straits, 18½c. per lb.; Lamb and Flag, 19c. per lb.

SHEATHING COPPER, ETC.—Braziers' copper is moving well, and a fair trade is being done in roofing copper. Smaller sheets are moving slowly. Sheathing copper is quoted ½c. per lb. lower. We quote: Sheathing copper, 16 to 17c., according to weight and quantity; braziers', 15½ to 17½c. per lb., according to gauge.

PIG LEAD—Quite a number of enquiries have been received this week for large lots, but little or no business appears to have resulted therefrom. In small lots trade has been steady. We quote: 4 to 4¼c. for imported and 3½c. for domestic.

IRON PIPE—Trade has been fairly good. Prices have again advanced. We quote as follows: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.10; ½ inch, \$2.30; ¾ inch, \$2.70; 1 inch, \$3.75; 1¼ inch, \$4.85;

1½ inch, \$6.50; 2 inch, \$8.75. Galvanized, ½ inch, \$3.60; ¾ inch, \$4.35; 1 inch, \$6; 1¼ inch, \$8.50; 1½ inch, \$11.50; 2 inch, \$15.50.

RANGE BOILERS—We quote: Galvanized, 30 gals. \$5.25 to \$5.50; 35 gal., \$6.25 to \$6.50; 40 gal., \$7.25 to \$7.50; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES—Quite a number of orders are being received for small lots from dealers who did not look for import. There is quite a scarcity in some brands of all bright. We quote: Half-polished, 52-sheet boxes, \$2.35; ditto, 60-sheet boxes, \$2.40; dull, 75-sheet boxes, \$2.50; ditto, "Alaska," \$3.

TIN PLATES—Prices remain firm. The demand is much better than last week, although there is still room for improvement. We quote as follows: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

COIL CHAIN—Quiet. We quote as follows: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ⅝ in., \$2.80; ¾ in., \$2.75.

TINNED IRON—Quiet. We quote as follows: In case lots for 22 to 24 gauge, and 2¼c. in lesser quantities; cut to size, 24 gauge, case lots, 4¾c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6¼c. for small lots.

SHEET ZINC—Quotations are unchanged at last week's advance, 6¼c. is now the idea for case lots and 6½c. for smaller quantities.

SOLDER—Quiet. Strictly half-and-half, 12¼c.; small lots, 13c.; standard, 11½ to 12c. per lb.

ANTIMONY—Quiet. We quote: Cookson's, cask lots, 10½c.; smaller quantities, 11c.; other makes, 8½ to 9c.

ZINC SPelter—Quiet. We quote 5⅝c. for ton lots and 5⅞c. for small quantities.

PAINTS AND OILS.

Notwithstanding the very favorable weather, the enquiry for painters' supplies has only been of a sorting-up character. Indeed, in some circles, disappointment is being felt at what is considered a light volume of trade. It is thought that this month, October, will show more strength, as dealers will be stocking up for their fall requirements. White lead is extremely quiet, but red lead, litharge and orange mineral meet with a steady enquiry. Putty is being freely shipped, as is usual at this season. In quotations there is not any noticeable change. Varnishes and japans are meeting with a ready sale at schedule rates. A sorting-up demand exists for ready-mixed paints, and few sales of shingle stain for suburban residences are reported. Turpentine has shown some fluctuations in the primary market during the week, but at the close it was steady. Linseed oil is steady. The demand is good for both turpentine and linseed oil.

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of

About Horse-Shoe Nails:—

It is a matter of considerable importance to every purchaser or consumer of horse-shoe nails, that the best only shall be procured. It does not make so much difference with other nails, which are driven in wood. But with horse nails, as they are only used to attach a shoe to a horse's foot, which is a sensitive, vital structure, it is most important that the nails used should be perfect in every respect; of the best material and pattern, and free from "splits" or liability to fracture, etc. One imperfect nail, badly driven, may result in permanent disability or lameness to a horse. It is false economy, and poor buying, to take any risk when you can avoid it.

Our "**C**" brand horse nails have been manufactured and sold in Canada since 1865,—a period of 32 years. They have been, and are still, the standard horse nails of Canada for quality and pattern, and are without a superior anywhere. We use only the best selected Swedish (Norway) charcoal iron rolled nail rods; the best material known for the purpose. These rods are hot forged by machinery, which gives all the advantage of the old-fashioned hand-hammered process, but with greater uniformity. After being pointed and finished by patented machinery, used only in our works in Canada, they are all further examined singly by hand, and every nail not up to our high standard for "**C**" brand, is thrown out for scrap or "culls." Every horse shoe nail we sell under our "**C**" brand is warranted perfect and ready for immediate use. They will be replaced free of charge if found otherwise to any purchaser. If the dealer from whom you usually purchase cannot, or will not supply you with our nails, write us direct and we will give your name to nearest dealers who will supply the "**C**" brand. Samples and price lists furnished on application.

CANADA HORSE NAIL COMPANY

MONTREAL.

560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 49c.; boiled, 1 to 4 barrels, 52c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 48c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

The advance anticipated last week took place early this week, when first break in 50-foot boxes advanced 10c., in 100-foot boxes 20c., and double diamond, under 25 united inches, 25c. Business has been brisk this week, a specially large trade being done in factory sizes in Toronto. We quote: First break in 50-foot boxes, \$1.70 and in 100-foot boxes, \$3.20; double diamond under 25 united inches, \$4.75, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

HIDES, SKINS AND WOOL.

HIDES—The market is steady, a good business being done. We now quote: No. 1, 8½c.; No. 2, 7½c.; No. 3, 6½c.; cured, 9½c.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Shearlings and lambskins continue firm at 60c.

WOOL—There is very little doing. Prices are unchanged at 10c. for unwashed and 16c. for fleece.

SEEDS.

There is practically no timothy being offered locally, supplies being received here from western markets. Some occasional machine-threshed lots have been offered. For these, from \$1 to \$1.25 has been paid. Alsike continues dull. Receipts are not quite so heavy. Quotations are unchanged at from \$2.50 to \$4, according to quality, with something more for better

76,800 Daily Production.
5 Factories.
5 Brands.
For Sale all over the world.



16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited.

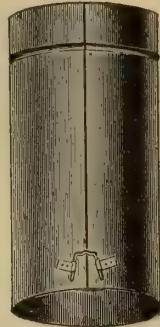
Established 1773.

Manufacturers of **POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS.** Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass," St. Helens. Telephone No. 68 St. Helens.

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NESTED.



BARCLAY'S PATENT "TRIUMPH" Adjustable Stove Pipe

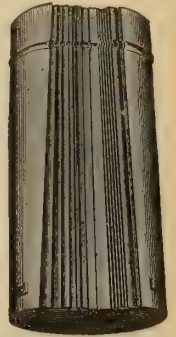
Can be put up by the most inexperienced.
So constructed that when taken down can be nested and stored in small compass.

Manufactured by

G. B. BARCLAY

168 Adelaide St. W.

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In Crates of 25.

...BRUSHES...

Now is the time to get prices for fall stock of



**DANDY BRUSHES
HORSE BRUSHES, Leather Backs
HORSE BRUSHES, Wood Backs
STOVE BRUSHES**

Write us for prices and samples, or wait for our travellers.

MEAKINS & CO.

313 St. Paul Street

— MONTREAL

REGISTERED



TRADE MARK

CELEBRATED

TRUE BRAND CUTLERY.

Gives universal satisfaction. Every blade stamped with our name or trade mark we guarantee to be made of the best steel.

E. F. WALTER & CO.
MONTREAL

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TORONTO, ONT.

qualities. Few samples of Canadian red clover seed have been shown, and these have been rather disappointing. For the samples about \$3 to \$3.25 has been paid.

MARKET NOTES.

Window glass is quoted dearer.

Black iron pipe has again advanced.

Sheathing copper is quoted $\frac{1}{2}$ c. per lb. dearer.

A good demand for horse clippers is springing up.

The arrangement of H. S. Howland, Sons & Co.'s new sample-room is about completed, and visitors, during the past week, have been much struck with both its extensiveness and attractiveness.

A SOUND DOCTRINE.

I believe that most people like to do business in a businesslike way, and like to be

talked to in a businesslike way in advertisements. I believe that a man who issues an advertisement of a desirable thing, is doing a favor to the man to whom he presents it. A man, who is trying to sell a really good thing—something that will be useful to buyers—need not take the position of supplicant, he need not ask attention as a favor—he may demand it as a right and he will get it.—Charles Austin Bates.

TRADE CHAT.

It is expected that the new elevator at Goderich, Ont., will be ready for the reception of grain within the next two weeks. It will be four storeys high, and, with the addition, will be 154 by 103 feet. It will have a receiving capacity of 12,000 bushels per hour. A despatch from Chicago states that five large cargoes are awaiting the

completion of this elevator, which is likely to be filled with grain before the close of navigation.

W. G. Nott, J. H. Ham, John Ham, Carl Huffman and Mrs. W. G. Nott, are applying for incorporation under the style of The W. G. Nott Bicycle Co. They intend to manufacture bicycles in Brantford, Ont., and have asked the council of that city for exemption from taxation. Their capital is placed at \$200,000.



WE CAN FURNISH

Repair Plates for all makes of Stoves, Ranges and Heaters

of the late firms of J. M. Williamson & Co., Hamilton; Hart, Smith Mfg. Co., Belleville; Toronto Stove Mfg. Co., Toronto; John Findlay & Son, Montreal, and all bearing our name.

Wm. Clendinneng & Son - St. Cunegonde, Montreal.

IRON FOUNDERS AND STOVE MANUFACTURERS.



NO. 476—TEA SET.

Set of Five Pieces, Embossed Satin, Gold Lined..... \$14.75
Tea Pot, \$3.75. Sugar, \$2.75. Cream, Gold Lined, \$2.25.
Spoon Holder, Gold Lined, \$2.25. Syrup, with Plate, \$3.75.

NO. 132—14-INCH WAITER, SUITABLE FOR SAME.

Satin, Bright Cut..... \$ 5.00

Cut one-sixth size.

The above are list prices, subject to 50 per cent. trade discount.

Have you received a copy of our new illustrated supplementary catalogue, or sheets illustrating electro silver plate specialties, in

Oriental Silver Co.

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If not, please advise us.

THE TORONTO SILVER PLATE CO.

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Headquarters for . . .

SMOKELESS POWDERS

Blue Ribbon Hazard
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Gold Dust . . .

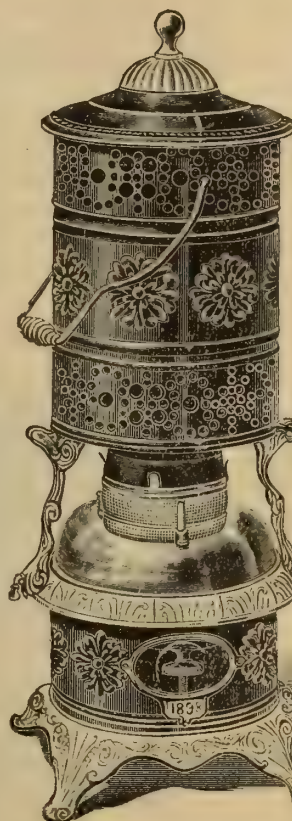
Also full line

New Guns
Sporting Goods
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Large Stock, Prompt Shipment, Close Prices.

Established 1860.

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THIS IS A HOT ONE

The "New
Process"

Oil Heater

Is pretty enough for the parlor, and light enough to be carried from cellar to attic. Will do the work of any \$10.00 Heater, and could be retailed at nearly half that price.

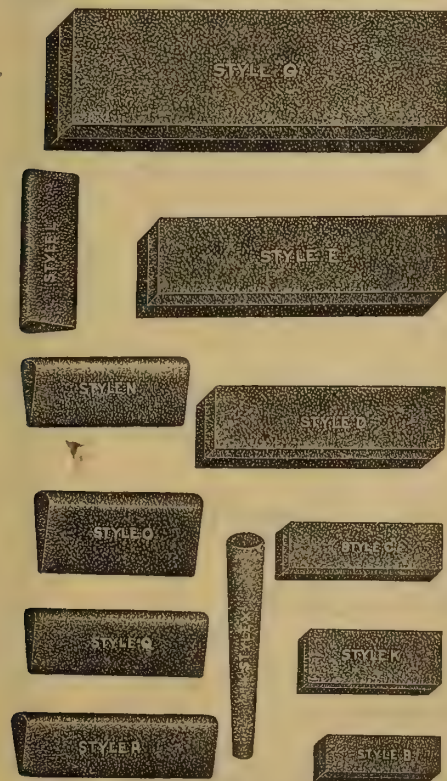
Not necessary to carry half a dozen makes and sizes in stock. The "New Process" answers all purposes.

The Thos. Davidson
Mfg. CO., Limited

MONTREAL

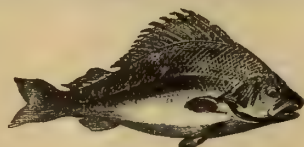
A GENTLEMAN CAPABLE OF BUILDING AND putting in operation a modern, up-to-date plant for the manufacture of screen wire cloth, such as is used on doors and windows, desires to correspond with a firm who wish to add such a plant to their business. The protective duty on wire cloth gives an advantage to the Canadian Manufacturer. Address, E. E. R., care this Journal. (40)

EMERY OILSTONES and SLIPS



COOKE HARDWARE CO., Hamilton.

Fishing Tackle.



ALLCOCK'S STAG BRAND



TRADE MARK

goods are the best. When you buy from us you buy from the largest makers and oldest house in England. Established 1800.

The Allcock, Laight & Westwood Co., Limited
73 Bay Street, TORONTO, and
REDDITCH, ENGLAND.

Sole wholesale selling agents for THE DOMINION
HAMMOCK MANUFACTURING CO., Paris, Ont.

ADAM HOPE & CO.

30 John Street, - Hamilton

OFFER TO THE TRADE

"Hope's Old Method"

CHARCOAL TIN PLATES

Made from Real and Pure Charcoal Iron, heavily tinned, the only reliable brand in the market.

— also —

COKE and TERNE PLATES
CANADA PLATES

HALF POLISHED
ALL POLISHED

Please write for prices, as we employ no Travellers.

ROOF\$ FOR THE KLONDIKE



SHEET STEEL BUILDING MATERIALS

are now being largely used for all classes of buildings, and, as these goods are bound to be an important department of every Hardware and Tin Shop in the Dominion, we take this opportunity of asking you to write us regarding prices to the Trade.

Our goods are **THE BEST** on the market, and our prices meet any competition.

The Pedlar Metal
Roofing Co.

OSHAWA, ONTARIO.

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

... TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.**VanTuyl & Fairbank**
Petrolia, Ont.

Headquarters for...

Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.**PARIS ELECTRO PLATING CO.**

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings
Piano Stool Feet, Novelties, etc. Bicycle Work
a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.

**STEEL STAMPS, STEEL LETTERS
AND FIGURES, BURNING
BRANDS, STENCILS.**

Send for our 100 Page Catalogue.

Hamilton Stamp & Stencil Works
HAMILTON, ONT.**The Portland Rolling
Mills Co., Limited**

Manufacturers of

Refined Bar Iron
Railway Spikes
Pressed Spikes
Nails and Tacks

"Diamond" Brand Horse Shoes

ST. JOHN, N.B.

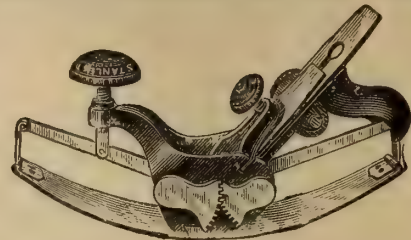
**"JARDINE"
TIRE UPSETTERS
WILL UPSET TIRES**Some machines sold as Upsetters will not.
Perhaps you make as much money on the
sale of a useless Upsetter as on a good
one, but your customer does not. He
don't want a machine because it is called
an Upsetter; he wants a machine to upset
tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.**IMPROVED
Labor-Saving
CARPENTERS'
TOOLS.****STANLEY**

RULE & LEVEL CO.

New Britain, Conn.

SOLD BY ALL
Hardware Dealers**Stanley's Adjustable Circular Plane.**This Plane has a Flexible Steel Face, which can be easily
shaped to any required arc, either concave or convex, by turn-
ing the Knob on the front of the Plane.

No. 113. Adjustable Circular Plane, 1½ in. Cutter, \$4.00

**ACETYLENE COMING
GAS THE LIGHT**

The

**Cliff-Wardlaw
Generator**is the only absolutely Automatic Gas Machine in the market.
It is safe, clean, economical, easy to operate, never heats nor
allows the burners to clog. Manufactured only by**THE SAFETY LIGHT & HEAT CO.**Write for one of
their booklets.

Dundas, Ont.

**Store
Helps.**We don't blame you for
hesitating before taking on "novelties"
and accumulating dead stock after the
"novelty" part has worn off.What you want is "store help"—
real, true, honest aids for business and
for more of it, and that is just exactly what
we offer you in Boeckhs' Bridled Brush for
Painters.It is no "novelty"—it is just a plain,
sure, safe "store help," but it represents the most pro-
gressive time and labor saving idea for Painters that has
ever been followed out on practical lines.A flexible, liquid-proof bridle that gives each separate bristle its full
flexible powers, enabling the paint to spread over the greatest possible amount
of surface at one sweep of the brush. A bridle that can be taken off and re-
placed in a second, to cut down or to clean out the brush. Send for our illus-
trated book, telling all about**Boeckhs' Bridled
Brushes****Boeckh Bros. & Company, Mfrs.**
Toronto, Ont.

VISIT THE MARKET.

Every ambitious merchant strives to occupy the first place as the leading dealer in his town, says Stoves and Hardware. Nothing is more flattering or pleasing to him than to hear and see customers appreciate, commend and frequent his store. But, in order to maintain such an exalted standard, a close watch must be kept, both on competitors' movements and on everything appertaining to the store. Too much care or forethought cannot be expended on the purchasing of the stock. All catalogues and news items ought to be carefully studied, as they appear, after which, when the trip is made to the market the merchant will not remain in profound ignorance and rely upon what other people tell him about the goods; but he will come prepared to make intelligent comparisons between different makes, qualities and prices. He will thus gain a great advantage in the selection of seasonable goods. It is advisable to make the purchasing trip at a rather early period, before the rush appears, and while there is still time to see stocks as a whole. Arrangements can then be made for reordering goods in fresh supplies as necessity demands it. Fresh goods are as pleasing to the eye as old, rusted, shop-worn ones are obnoxious. In hardware, this is particularly applicable, since styles do not change with as lightning rapidity as in dry goods, but many classes of goods become dull and unattractive. All this points to one moral, and that is personal market trips and buying at short intervals.

AN EXPLANATION.

Editor of *HARDWARE AND METAL*,—It having come to our notice that the retail hardware trade of Canada is being approached by a certain purchasing agency, with quotations upon our brands of files and rasps. We beg to state publicly that no purchasing agencies are in possession of any quotations from us, or are authorized by us to canvass the trade. Indeed, we have emphatically declined to extend a quotation to any purchasing agency. Our goods can be purchased in this market from the jobbing houses carrying our brands, and through the regular channels.

Any representations to the contrary of the above are false.

NICHOLSON FILE CO.,
Providence, R.I. S. M. Nicholson, Pres.

A NEW HARDWARE STORE.

Robert Thorne, a worthy son of Auld Scotia, who was for many years with John Henderson, of Barrie, has commenced business on his own account in the rising town of Sudbury. Mr. Thorne will keep a well-assorted stock of hardware, stoves, and paints. The order for colors, varnishes and decorating material has been placed with The Canada Paint Co. Mr. Thorne knows his business thoroughly, and, being a pushing, enterprising salesman, is bound to succeed.

A WORD about Tools and Axes.

We combine in our edge tools every desirable feature that would go to make a perfect article.

RESULT: There are no mechanics' Tools or Axes on the Canadian market equal to Warnock's. Specify "Warnock's."

*James Warnock & Co., Galt.***STEVENS IDEAL, NO. 44.**

This is as reliable and accurate a rifle as can be constructed. Placed at a moderate price to meet the demand for such a rifle. It is recommended without qualification and fully guaranteed.

anted. Made in the following styles:

.22 Long-Rifle R. F., 25 Stevens R. F., and .32 Long R. F. Standard length of barrel for rim-fire cartridges, 24 inches. Weight 7½ pounds.

.25-20 Stevens C. F., .32-40 C. F., .38-55 C. F., and .44-40 (.44 W. C. F.) Standard length of barrel for center-fire cartridges, 26 inches. Weight, 7¾ pounds.

Half-octagon barrel, oiled walnut stock and fore-arm, rifle butt, case-hardened receiver, sporting rear and Rocky Mountain front sight.

Price, with standard length of barrel, \$13.00.

Can be obtained of any of the leading jobbers in Canada at liberal discount from this price.

Send for complete catalogue of our full line of Rifles, Pistols and Machinists' Tools.

J. Stevens Arms & Tool Co., P. O. Box 217, Chicopee Falls, Mass., U.S.A.

PAINTING CAN ONLY BE DONE WELL
BY USING THE BEST MATERIALS.
THESE CAN BE OBTAINED
TO BEST ADVANTAGE

— FROM —

Henderson & Potts

NOVA SCOTIA PAINT AND VARNISH WORKS.

Sole Agents for the Dominion for

Manufacturers
of ...

White Lead and Coloured Paints

Ready House and Floor Paints
Mixed

Japan Coach Colors and Varnishes

Oil and Varnish Wood Stains, etc.



HALIFAX, N.S., and 747 CRAIG STREET, MONTREAL.

SPORTSMEN

NOTE

THE ABBEY IMPROVED CHILLED SHOT
NEWCASTLE, ENGLAND.

Is made by a New Process, and is highly spoken of by Sportsmen and Sporting Papers. Kills at greater distance than Soft Shot. Gunmakers wishing repeat orders should load with this shot.

America's FAMOUS
Washing Machine.

Manufactured by the
Toronto Special Machinery Co.
154 Spadina Ave., Toronto, Ont.

This is the only Practical Washer on the market. Actual trials have proved that it will wash cleaner, more easily and quickly, with less wear on the clothes, than any other machine in use. SEND FOR PRICES AND TERMS TO DEALERS.

HEATING AND PLUMBING

MONTREAL BUILDING PERMITS.

THE following building permits have been recently issued in Montreal : To G. Maloche, two dwellings on Clark avenue, Westmount, to cost \$4,000 ; to M. Stewart, one store and two dwelling on Lagauchetiere street, to cost \$4,000 ; to Mrs. James Allan, Victoria street, three dwellings to be altered to stores and dwellings, to cost \$3,000 ; to J. A. Dionne, two stores, to be erected on the corner of Congregation and Favard streets, to cost \$3,000 ; to The Nichols Chemical Co., one warehouse, on Mullin street, to cost \$1,000 ; to The Gould Cold Storage Co., a building on corner of William and Grey Nun streets, to cost \$6,000 ; to Thos. Keene, two dwellings, for four families, on Concord avenue, to cost \$1,100 ; to Victor Labais, one dwelling, on Mount Royal avenue, to cost \$2,300 ; to S. Doyle, two combined dwellings on St. Etienne street, to cost \$1,500.

STEEL-CLAD BATHS GO ABROAD.

The Toronto Steel-Clad Bath and Metal Co. made a shipment of their baths to South Africa last week, and are now preparing a shipment for Mexico.

The Detroit branch of this firm secured a good order recently. They got the contract from the United States Government for three hundred portable steel-clad hospital baths. The U.S. army officials have discarded the portable cast-iron baths for this company's product, because of the lighter weight of the latter article.

PLUMBING AND HEATING NOTES.

The stock of Samuel James, plumber, Toronto, has been sold by the bailiff.

Cliffe & Co., plumbers, New Westminster, B.C., have sold out to A. Godfrey.

A building permit has been issued, in Toronto, to Alexander Manning, for alterations to 28 King street west, to cost \$1,200.

The architect of the new Telegram building, in Toronto, states that the contract for the elevators has been let to The Sprague Elevator Co., New York.

The plumbing trade in Ottawa is busy. At the meeting of the plumbers' union in that city, on Monday, this week, a good attendance was present, and, from all reports, the prospects for the fall and winter are bright. All the union men are busy.

The Booth Copper Co., Toronto, recently shipped two carloads of brewers' supplies, including six stills and four worms. They are now busy building two wood alcohol

vats. This need not be taken as an indication of panic on the part of brewers and distillers.

R. Carroll and J. H. McKnight, of The Credit Forks Mining and Manufacturing Co., of Toronto, have the contract for the erection of the new post office in Ingersoll, Ont. The figure is \$13,437.

HARDWARE BICYCLISTS.

On Saturday afternoon last a five-mile handicap bicycle run was run off by the employes of H. S. Howland, Sons & Co., wholesale hardware merchants, Toronto, at the Exhibition Park.

The prize winners were: 1st, G. Mitchell, 1¾ min.; 2nd, D. Roy, 1½ min.; 3rd, John McMullen, 1 min.; 4th, T. Wright, scratch; 5th, L. Howard, scratch; 6th, A. Clift; 8th, W. Dunn. Thomas Wright won the time prize. The race officials were: T. Dexter, starter; Ed. J. Whyte and L. U. Vanston, judges; H. Gunn, scorer, and G. W. Rogers, timer.

FIRE IN A BRASS FOUNDRY.

The Montreal Fire Brigade, last Thursday week, were called out to a fire in the brass foundry of Cuthbert & Co., on Duke street. The fire originated from a crucible in the brass finishers' shop in the upper flat, and was spreading rapidly when the firemen arrived. Five streams were soon directed upon the fire and the flames were got under control before more than \$1,000 damage had been done.

PLUMBING SCHOOL MEETING.

At a recent meeting of the Council of Arts, in connection with the opening of the plumbing school, Montreal, it was decided to start the session on October 17. The class will be open to all apprentices in the trade, and the committee are making strong efforts this year to extend the interests

of the school. The classes will be held in the old St. Gabriel church on Place d'Armes Square.

PLUMBING AND HEATING CONTRACTS.

E. C. Mount & Co., Montreal, have the plumbing and heating of the residence of E. M. Fortier, Phaneuf street.

M. Thibeault, Montreal, has the plumbing and heating of two dwelling houses on Selby street, belonging to J. Cazalais.

Lessard & Harris, Montreal, have the plumbing, heating and roofing of the residence of C. Choussilt, on Prince Arthur street.

W. J. Whitlock, Walkerton, is just completing his contract of hot water heating and plumbing in the new Bruce county poor-house.

Blouin, Desforges & Latourelle, Montreal, have the heating of the residence of Miss Bourbonnier, Maisonneuve street ; the heating of the premises of L. Chaput, Fils & Cie.; also repairs on four dwelling houses in various parts of the city.

The John Ritchie Plumbing and Heating Co., Limited, have contracts for the plumbing in two residences for Messrs. Davis and McKay, and for the hot water heating of the Murray house, Oakville, and for the re-modelling of the plumbing of a residence for Mr. Wm. Stone, Toronto.

TORONTO MASTER PLUMBERS' MEETINGS.

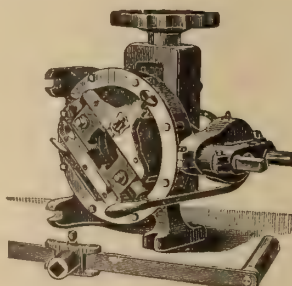
The Toronto Master Plumbers' Association held their regular meeting on Monday evening this week, Jas. H. Wilson, vice-president, taking the chair, in the absence of the president, J. B. Fitzsimmons. A good attendance was present. No business of general interest was transacted, but the routine business was finished, so that in the succeeding meetings this winter good work may be done.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.



New No. 0 Threading Machine.

THE ARMSTRONG MFG. CO.

New York Office:
139 Centre Street

Bridgeport, Conn.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

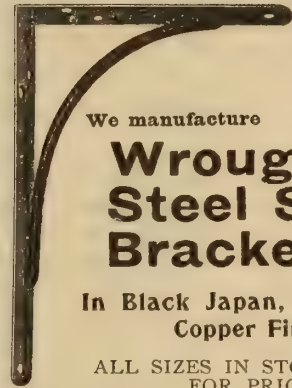
Representing British and American manufacturers of
 Tinplate, Tinned Sheets, True Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron
 and Steel—Hoops and Bins, Proved Coil Chain Brass and
 Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

**PATENTS
PROMPTLY SECURED**

Write today for a free copy of our interesting books
 "Inventors' Help" and "How you are swindled." We have
 extensive experience in the intricate patent laws of 50
 foreign countries. Send sketch, model or photo for free
 advice. **MARION & MARION**, Experts, New York Life
 Building, Montreal, and Atlantic Building, Washington, D. C.

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.
 Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
 H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
 Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
 Wholesale trade only.

**PLUMBERS'
SUPPLIES**Manufacturers of
first quality only.**THE JAS. MONROE BRASS MFG. CO.**
TORONTO Limited

We manufacture

**Wrought
Steel Shelf
Brackets**In Black Japan, Nickel and
Copper Finish.ALL SIZES IN STOCK. SEND
FOR PRICES.**H. R. IVES & CO., Montreal.****HEADQUARTERS** for

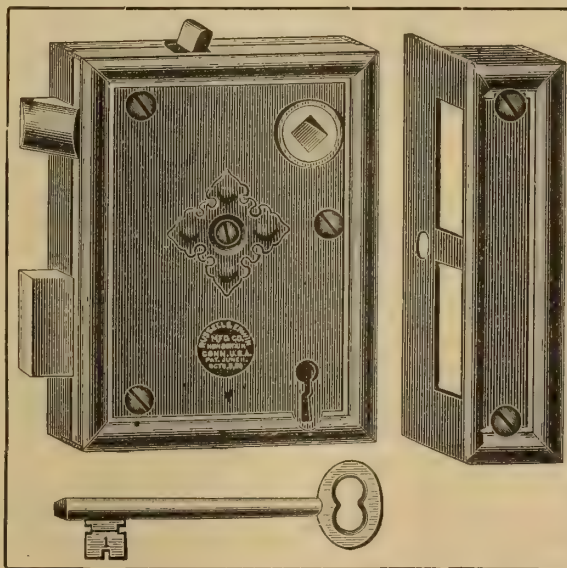
Syracuse Babbit Metal, Plumbers' and Tin-
 smiths' Solder, Pig Tin, Pig Lead, Ingot Copper,
 Ingot Brass, Phosphor Tin and Aluminum.

SYRACUSE SMELTING WORKSFactory: **332 William Street**
MONTREAL

All kinds Scrap Metal taken in exchange.

Factory: **SYRACUSE, N.Y.****RUSSELL & ERWIN MANUFACTURING COMPANY**Manufacturers
of . . .**HARDWARE****Wrought Steel Door
Locks**

**Wrought Steel
Mortise
Locks,**
 Excelling in
 Lightness and
 Strength
 and
 Novelty of
 Finish.



Rock Steel Rim Lock, Nos. 3800 to 3806.

**Wrought Steel Door
Locks**

**Wrought Steel
Rim Locks,**
 Excelling in
 Lightness and
 Strength
 and
 Novelty of
 Finish.

RUSSELL & ERWIN MANUFACTURING COMPANY, New Britain, Conn.
ChicagoNew York Philadelphia
Baltimore London

WHAT DATE SHOULD THANKSGIVING DAY BE?

A GENERAL COMPLAINT THAT IT IS NOW TOO LATE
IN THE SEASON.

THERE is a strong feeling among the merchants of Canada that our Thanksgiving Day is fixed too late in the season. For some years past, this opinion has been growing, partly because the weather has proved inclement, and partly because a date late in November seems to have become the rule.

On looking up the record for the past four years, it appears that the dates chosen have all been late in November. For instance, last Thanksgiving Day came on Thursday, Nov. 25; in 1896, it was on Nov. 26; in 1895, on Nov. 21, and, in 1894, on Nov. 22. There is a point in connection with the choice of date which deserves consideration. In fact, one firm—that of G. E. Smith & Co., Halifax—in writing us, make special reference to it. That is, the question of having the date identical with Thanksgiving Day in the United States. Certainly, if, as in 1894 and 1895, the Canadian Thanksgiving is fixed for so late a date as the third week in November, it might just as well be made the same as the United States day. This is not so much a matter of neighborliness as a question of convenience. There is a suspension of business in both countries on Thanksgiving, and it often proves convenient to have the day the same.

However, the general opinion seems to be that November is too late altogether. Climatic conditions are not the same in the two countries, and there appears to be no sound reason why the conditions in Canada and the wishes of the Canadian people should not alone determine the date chosen. A large number of merchants, in different parts of Canada, have expressed their views, and these are quoted below. It will be seen that, while they are not all agreed upon a fixed date, they are nearly all, with very few exceptions, of opinion that the latter part of November is too late.

HALF WAY BETWEEN TWO OTHER HOLIDAYS.

Guillet Bros., Cobourg, Ont.: We are strongly in favor of a change in the date of Thanksgiving Day. The complaint is general in and around Cobourg that, it has always been too late in the year. One month earlier, or the last Thursday in October, would be a far more suitable time. The weather is likely to be much better, and then the holiday would come about half way between Labor Day and Christmas.

A. R. Woodyatt & Co., Guelph, Ont.: We have no preference as to which month Thanksgiving Day should come in. It is all the same to us, but we would like to see it nearer the middle of the month, as the end and beginning of each month are always very busy seasons with us.

A STRONG PROTEST AGAINST A LATE DATE.

A. E. Micks, of Micks & Cox, Peterborough, Ont.: Thanksgiving Day has been so very late that it always rained or was snowing and really was no use for outside sport. The only way to put in the day was to sit by a good warm stove and give thanks, or be thankful that you were not out in the cold. I would say about the last week in October, say Thursday, be appointed as Thanksgiving Day, and if you can so bring the matter before His Excellency to have it changed to that date, you will do a great deal for suffering humanity, and place us all under an obligation. Thanking you for the interest you are taking in the matter.

MAKING IT THE SAME AS IN THE STATES.

Geo. E. Smith & Co., Halifax, N.S.: We are not in favor of the change of the date. We think the last Thursday in November would be the best date. One of our principal reasons is that it conforms with the date set down by the American Government to be observed as Thanksgiving Day. We do not mean by this that

the Canadians are supposed to follow the Americans in every particular, but, in the matter of Thanksgiving Day, it looks friendly for two nations, side by side, to observe the same day.

Hobbs Hardware Co., London, Ont.: Thanksgiving should be held directly after Manitoba's and the Northwest's harvests are gathered, say, about the end of October.

Pratt & Watkins, Hamilton, Ont.: Favor a change of date, and think the last Thursday in October would suit.

W. J. Harbottle, Cardinal, Ont.: Thinks a change should be made, and approves the last week in October.

Bryson, Graham & Co., Ottawa: Favor the last Monday in October as a date for Thanksgiving Day.

NOVEMBER A DISAGREEABLE MONTH.

J. Fennell & Son, Berlin, Ont.: Favor a change of date, and would recommend the middle of October at the latest. November is the most disagreeable month of the year, and the selection of the latter part of it as a Thanksgiving Day would seem to be done for the purpose of testing the gratitude of our hearts to the utmost extremity. November is a blue month. Select a bright, pleasant season, say about Oct. 1.

Kenny & Cockrill, Gananoque, Ont.: Favor a date about the middle of October. The last Thursday in October would be an improvement on the date of past years; but they would prefer Thursday, Oct. 20.

A. Westman, London, Ont., assents to a change, and thinks the last Thursday in October a suitable date.

W. J. McMurtry, St. Thomas, Ont., favors a change of date.

One Ontario firm, writing anonymously, do not favor a change. Think there is less work to do in the country in November, and October would interfere with trade more.

HOLIDAYS TOO CLOSE TOGETHER.

John Northway & Co., Chatham, Ont., favor a change of date, and think the last Thursday in October would be suitable.

J. E. Martineau, Quebec, points out that Thanksgiving is not generally observed in the city of Quebec, and suggests November 1 as a better date than that now chosen.

Geo. Ritchie & Co., Belleville, Ont., suggest a day from the middle to the end of October.

John Hayden, Guelph, Ont.: In regard to the date that would be most suitable to hold Thanksgiving Day, I certainly would advocate the latter part of this month (September), or the fore part of October. After those dates the weather is liable to be cold and disagreeable.

OTHER OPINIONS FAVORING A CHANGE.

It will be noticed that several firms would prefer the Thanksgiving to be on a Monday or Saturday, so that a complete holiday, allowing a man to go home from a distance, would be given. It remains to be seen what view the Government will take on this point.

Isaac E. Pedlow, Renfrew, Ont., I think the change to a month earlier a commendable one. The last Thursday in October would give us assurance of much nicer weather for a holiday. While on the subject of special holidays, do you not think that they are multiplying rapidly; in fact, becoming a nuisance to the business community?

John H. Laughton, Parkhill, Ont.: Thinks the first Thursday in November a suitable date, while as to the last Thursday in October that would be better than the last week in November.

A Cornwall, Ont., firm say the last Wednesday in October would suit the trade there.

An Orillia, Ont., merchant thinks the proposal for a change a very good idea, and suggests a month earlier than usual as a suitable date.

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

— MONTREAL, QUE.

Joseph Rodgers & Sons' Cutlery

We would strongly caution Retail Hardware Merchants and the General Public against Imitation makes, bearing such names as "Joseph Rodgers & Co.," "Rodgers & Son," etc., etc., as none are Genuine unless bearing the Trade Mark on each blade. *✠

James Hutton & Co.

Sole Agents for Canada,
15 St Helen Street,

Montreal

CURRENT MARKET QUOTATIONS

September 30, 1895

These prices are for such quantities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—		
56 and 23 lb. ingots, per lb.	0 00	0 19
Straits	0 00	0 18½

Tin Plates.

Charcoal Plates—Bright.

M.L.S., equal to Bradley.		Per box.
I.C., usual sizes	\$5 00	
I.X., "	6 25	
I.X.X., "	7 50	

J. R. & Co.—		
I.C.	4 75	5 09
I.X.	6 00	6 25
I.X.X.	7 25	7 50

Famous—		
I.C.	5 00	
I.X.	6 25	
I.X.X.	7 50	

Raven & Vulture Grades—		
I.C., usual sizes	3 50	
I.X., "	4 25	
I.X.X., "	5 00	
I.X.X., "	5 75	
D.C., 12½x17	3 00	
D.X., "	3 75	
D.X.X., "	5 75	

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Bessemer Steel—		
I.C., usual sizes	3 00	
I.C., special sizes, base.	3 15	
20x28.	6 00	6 25

Dean or J. G. Grade—		
I.C., 20x28, 112 sheets	6 00	
I.X., "	7 50	
I.C., Orion	6 00	
I.X., Orion	7 25	7 50

Charcoal Tin Boiler Plates.		
Cookley Grade—		
A.X., 14x56, 50 sheet bxs		
14x60	0 05½	0 06
14x65,		

Tinned Sheets.		
72x30 up to 24 gauge	0 05½	0 06
26 "	0 06½	0 06½
28 "	0 07	0 07½

Iron and Steel.

Common Bar, per 100 lbs	1 50	1 60
from factory	1 40	1 45
Refined	1 80	1 80
Cast Steel, per lb	1 85	2 00
Band "		
Hoop "		
Swedish "	4 00	4 25
Sleigh Shoe Steel	2 50	
Tire Steel	2 50	
Machinery	2 50	2 75
Cast Steel, per lb	0 10	0 14
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch	0 06½	
2 "	0 07½	
2½ "	0 09½	
	0 11	

Steel Boiler Plate.

3-16 inch	2 00	
	1 90	

¾ inch and thicker..... 1 75

Sheet Iron.

16 gauge and heavier.....	2 50	2 70
18 to 20 gauge.....	2 25	2 50
22 to 24 "	2 25	2 35
26 "	2 25	2 45
28 "	2 45	2 55

Canada Plates.

All dull, 52 sheets.....	2 25	
Half polished.....	2 35	
All bright.....	3 00	

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ¾ inch, \$2.19; ½ inch, \$2.21 to \$2.31; ¾ inch, \$2.61 to \$2.75; 1 inch, \$3.65 to \$3.81; 1½ inch, \$4.85 to \$5.05; 1½ inch, \$6.34 to \$5.69; 2 inch, \$8.51 to \$8.75.		
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Galvanized, ½ inch, \$3.87½; ¾ inch, \$4.75; 1 inch, \$5.75; 1¼ inch, \$9.00; 1½ inch, \$11.50; 2 inch, \$15.1½.		
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Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p. c.

Galvanized Iron.

	Comet.	Gordon Crown.	Queen Head
16 gauge.....	....	....	3 75
18 to 24 gauge..	3 25	3 50	4 00

Chain.

Proof Coil, 3-16 in., per 100 lbs	25	
1½ "	4 65	
5-16 "	4 75	
¾ "	3 25	
7-16 "	2 85	
1½ "	2 75	
5⁄8 "	2 75	
¾ "	2 63	
Trace, per doz. pairs.	3 60	5 90

Jack chain, iron, single, per doz. yards.	0 13	0 50
Jack chain, double, per doz. yards.		0 15
Jack chain, brass, single, per doz. yards.	20	10

Copper.

Ingot.		
English B. S., ton lots	0 12½	0 13
Lake Superior.....		
Bolt or Bar.		
Cut lengths, round, ½ to ¾ in.	0 20	0 22
round and square		
1 to 2 inches.....	0 19½	0 20

NOTE.—Complete, lengths about 15 feet from 18 to 19 cents a pound.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 15	0 16
Untinned, 14 oz., and light, 16 oz., irregular sizes.....	0 15	0 16½
NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.		
Planished and tinned, 14x48 and 14x60	0 25	0 27

Braziers. (In sheets.)		
4x6 ft. 25 to 30 lbs. ea., per lb.	0 17	0 19
" 35 to 45 "	0 15½	0 16½
" 50-lb. and above, "	0 15	0 16
Boiler and T. K. Pitts.		
Plain Tinned, per lb	0 21	
Spun, per lb.	0 25	

Pure, in coils—
From 1 to 20 gauge, 12½ p. c. off list.
From 20 gauge up, 12½ p. c. off list

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 30 p. c. off list.		
Sheet, hard-rolled, 2x4	18	0 20
Tubing, base, per lb.	20	0 22

Zinc Spelter.

Foreign, per lb	0 05¾	0 05¾
Domestic	0 04¼	0 04¼

Zinc Sheet.

5 cwt. casks	0 06¼	
Part casks.	0 06½	

Lead.

Imported Pig, per lb	4 to 4½	
Domestic, per lb	0 03½	
Bar, 1 lb.	0 05	
Sheets, 2½ lbs. sq. ft., by roll.	0 05½	0 06
Sheets, 3 to 6 lbs., per sq. ft., by roll.	0 05	0 05½

NOTE.—Cut sheets ½ cent per lb. extra. Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 25 per cent. discount. NOTE.—Cut lengths, net price, waste pipe. in 8-ft. lengths, lists at 7½ cents.

Solder.

Bar half-and-half	0 12	0 13
Standard	0 12	
Wire	0 12	

NOTE.—Prices of this grade according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 10½	0 11
Other makes, per lb.	0 08	0 08½

White Lead.

Pure, Assoc. guarantee, ground in oil.		Per cwt.
25 lb. irons	5 75	
No. 1 do	5 7½	
No. 2 do	5 00	
No. 3 do	4 6½	
No. 4 do	4 25	
Munro's Select Flake White.....	6 00	
Elephant and Decorators' Pure.....	5 75	
Brandram's B. B. Genuine.....	7 75	
James genuine	7 00	
No. 1.	6 95	
No. 1.	6 45	

White Zinc Paint.

Elephant Snow White.....	0 07	
Pure White Zinc.....	0 07	
No. 1.....	0 06½	
No. 2.....	0 05½	

Dry White Lead.

Pure, casks.....	0 04½	
Pure, kegs.....	0 04½	
No. 1, casks.....	0 04½	
No. 1, kegs.....	0 04½	

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)		
Pure, per gallon.....	1 00	
Second qualities, per gallon.....	0 90	
Barn (in bbls.).....	0 70	
The Sherwin-Williams Paints	1 20	
Canada Paint Co's Pure.....	1 00	1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)		
Venetian Red, per lb	0 05	
Chrome Yellow.....	0 11	
Golden Ochre.....	0 06	
French.....	0 05	
Marine Black.....	0 09	
" Green.....	0 09	
Chrome.....	0 08	
French Imperial Green.....	0 19	

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt.	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt.	2 75	
Yellow Ochre (Royal), per cwt.	1 10	1 15
Brussels Ochre.....	2 00	
Venetian Red (best), per cwt.	1 80	1 90
English Oxides, per cwt.....	3 00	3 25
American Oxides, per cwt.	1 75	1 90
Canadian Oxides, per cwt.....	1 75	1 90

Burnt Sienna, pure, per lb.	0 10	
" Umber, "	0 10	
do. aw	0 09	
Drop Black, pure.....	0 09	
Chrome Yellows, pure.....	0 18	
Chrome Greens, pure, per lb.	0 12	
Golden Ochre.....	0 0¾	
Ultra marine Blue in 28-lb. boxes, per lb.	0 08	0 24
Fire Proof Mineral, per 100 lb.		1 00
Genuine Eng. Litharge, per lb		0 07
Mortar Color, per 100 lb.		1 25
James' Gen. Red Lead, 100 lb		0 04½
Pure Ind an Red, No. 45, lb.		0 08
Whiting, per 100 lb.		0 50

Paris Green.

Pure, in bbls.	0 16½	
250 lb. casks.....	16½	
50 lb. drums.....	17	
1 lb. packages.....	18	
¾ lb. "	19½	
¼ lb. "	21½	
1-lb. tins.....	0 18½	

Sulphate of Copper.

Casks, for spraying, per lb.	0 04½	
100-lb. cases, do. per lb.		

Putty.

Bladders in bbls.....	1 80	
Bladders in 100 or 200 lb. kegs or bxs	1 95	
Bulk in bbls., per 100.	1 65	
Bulk in less quantities.....	1 80	
25-lb. tins, 4 in c se.....	2 15	
12½-lb. tins, 8 in c se.....	2 30	

Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In bbls.)	per gal	
Carriage, No. 1	1 50	
Extra do.	2 50	
Body Varnish.....	4 50	
Furniture Varnish.....	0 65	
Extra do.	1 00	
Denar Varnish.....	1 60	
Hard Oil Finish.....	1 40	
Orange Shellac Varnish.....	2 00	
White Shellac.....	2 20	
Rubbing Varnish.....	2 50	
Polishing Varnish.....	2 50	

Linseed Oil.

Raw, per gal. net.....	0 48	
Boiled, per gal. net.....	0 51	
Outside points 1c. more than above figures		

Turpentine.

1 to 4 barrels, net 1c. more	0 47	
Outside points 1c. more		

Castor Oil.

In cases, per lb	0 10½	
Small lots.....	0 11½	

Cod Oil, Etc

Cod Oil, per gal.	0 50	0 55
Pure Olive.....	1 20	
" Neatsfoot.....	90	

Glue.

(In bbls.)	0 09½	0 09
Common.....	0 12	0 12½
French Medial.....	0 11	0 12
Cabinet, sheet.....	0 16	0 18
White, extra.....	0 22	0 30
Gelatine.....	0 16	0 18
Strip.....	0 19	0 20
Coopers.....	0 09	
Al clear.....	20 to 25	
Liquid Glue—F. LePage's, discount 20 to 25 per cent off list; Munn's, discount 25 to 30 per cent. off list.		

HARDWARE.

Ammunition.

Cartridges.		
R. B. Caps, Dom., 50 and 5 p. cent.		
Rim Fire Pistol, dia. 45 p. c., Amer.		
Rim Fire Cartridges, Dom., 50 and 5 p. c.		
Rim Fire, Military, net list, Amer.		
Central Fire Pistol and Rifle 18 p. c. Amer		

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
 Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
 Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
 Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.

Shot.
 Canadian, common, 7½ per cent.
 Brass Shot Shells, 55 and 10 per cent.
 Primers, Dom., 30 per cent.
 Wads.

per lb
 Best thick white felt wadding, in ½-lb bags, 1 00
 Best thick brown or grey felt wads, in ½ lb. bags, 0 70
 Best thick white card wads, in boxes of 500 each, 12 and smaller gauges 0 99
 Best thick white card wads, in boxes of 500 each, 10 gauge, 0 35
 Best thick white card wads, in boxes of 500 each, 8 gauge, 0 55
 Thin card wads, in boxes of 1,000 each, 12 and smaller gauges, 0 20
 Thin card wads, in boxes of 1,000 each, 10 gauge, 0 25
 Thin card wads in boxes of 1,000 each 8 gauge
 Chemically prepared black edge grey cloth wads, in boxes of 250 each—
 11 and smaller gauge 0 60
 9 and 10 gauges 0 70
 7 and 8 gauges 0 90
 5 and 6 gauges 1 10
 Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
 11 and smaller gauge 1 15
 9 and 10 gauges 1 40
 7 and 8 gauges 1 65
 5 and 6 gauges 1 90

Anvils.
 Per lb. 0 10 0 12½
 Anvil and Vice combined, each, 4 50
 Wilkinson & Co.'s Anvils, lb. 09 0 09½
 Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
 Gilmour's, discount 65 p.c. off revised list.
 Hollow Stearn's, per dozen 13 00 20 00
 Adjustable Stearn's, each, 4 50 6 50
 Post-hole, Vaughan's, each, 60 90
 Excelsior, Jennings', discount 50 per cent.

Awls.
 Sewing, per gross 0 65 1 59
 Pegging, " 0 65 1 25
 Brad, " 0 85 1 60
 " handled, per gross 3 60 30
 Saddler's, per gross 0 45 1 60

Awl Hafts.
 Patent Peg, per gross, 7 25 8 00
 Sewing, per gross, }

Awl and Tool Sets.
 Millar's Falls, per doz. 2 80 3 30

AXES.
 Splitting Axes, 5 25 5 50
 Chopping Axes—
 Single List, per doz. 6 00 12 00
 Double List, " 11 00 18 00
 Bench Axes, 40 and 10 p.c.

Axle Grease.
 Per gross 6 00 13 00

Bath Tubs.
 Zinc, discount, 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list Boring extra

Anti-Friction Metal.
 'Tandem' A, per lb. 0 19
 " B, " 0 16
 " C, " 0 10½
 Magnolia Anti-Friction Metal, per lb. 0 25
 No Name Metal, " 0 15
 Mystic Metal, " 0 10
 F. O. B. New York or Chicago.

Bells.
 Brass, 60 per cent.
 Nickel, 55 per cent.

Door.
 Gongs Sargent's, 5 50 8 00
 " Peterboro', discount 50 per cent.

Cow.
 American make, discount 66½ per cent.
 Canadian, discount 45 and 50 per cent.

Farm.
 American, each 1 25 3 00
 House 0 35 0 40
 American, "

Bellows.
 Hand, per doz. 3 35 4 75
 Moulders, per doz. 7 50 10 00
 Blacksmiths', discount 60 per cent.

Belting.
 Extra, 45 per cent.
 Standard, 45 and 10 per cent.
 Agricultural, 60 and 10 p.c.

Bench Stops.
 Per doz 5 00 6 00

Bits.
 Auger.
 Gilmour's, discount 65 and 5 per cent.
 Excelsior, discount 60 per cent.
 Rockford Common, 70 to 70 and 10 per cent.
 " Perfection, 50 and 10 per cent.
 Jennings' Gen., net list to 5 p. c. discount.
 " Car.
 Gilmour's, 47½ to 50 per cent.
 " Expansive.
 Clark's 40 per cent.
 Excelsior, 10 per cent.

Gimlet.
 Clark's, per doz 0 65 0 90
 Diamond, Shell, per doz. 1 00 1 50
 Nail and Spike per gross 2 25 5 20

Blind Rollers.
 Annex, per doz 1 25 1 75
 Mascotte, " 1 35 1 85
 Erminie, " 1 00 0 90

Blind and Bed Staples.
 All sizes, per lb 7¼ 0 12

Bolts.
 Carriage, dis. 60 and 10 to 70 p. c.
 Tire, dis., 70 and 5 per cent.
 Stove dis., 70 per cent.
 Elevator, dis., 35 to 40 per cent
 Machine, dis., 70 p.c.
 Coach Screws, dis. 70 and 10 p.c.
 Plough bolts, 60 p.c

Boring Machines.
 Complete, with augers, each. 5 00 7 50

Braces.
 Barbet's 6 00 7 75
 Barber's Ratchet 10 00 11 00
 Farmers 2 00 2 75
 Millar's Falls 15 50 29 00

Brackets.
 Shelf.
 Japanned Canadian, per doz. 0 50 3 40
 Berlin Bronze Canadian 0 85 3 20

Broilers.
 Light, dis. 65 to 67½ per cent.
 Reversible, dis., 65 to 67½ per cent.
 Vegetable, per doz., dis. 37½ per cent.
 Henis, No. 8, " 6 00
 Henis, No. 9, " 7 00
 Queen City " 7 50 0 00

Butchers' Cleavers.
 German, per doz. 6 00 11 00
 American, per doz. 12 00 20 00

Butts.
 Brass.
 Wrought Brass, dis., 17½ p.c. revised list.

Cast Iron.
 Loose Pin, dis. 70 per cent.

Wrought Steel.
 Fast Joint, dis. 70, 10 and 5 to 75 p.c.
 Loose Pins, dis. 70, 10 and 5 to 75 p.c.
 Berlin Bronzed, dis. 70, 70 and 5 per cent.
 Gen. Bronzed, per pair 0 40 0 65

Can Openers.
 Acme, per gross 9 00 10 00
 Sardine Scissors, per doz 3 75 4 50

Card.
 Horse, per doz. 0 60 1 00

Carpet Stretchers.
 American, per doz 1 00 1 50
 Bullards, per doz 6 50

Carpet Sweepers.
 Bissell, per doz 22 50
 World, " 21 75
 Daisy, " 24 00
 Star, " 18 00
 Crown Jewel, per doz. 29 00
 Grand Rapids, " 24 00 33 00

Cartridges.
 (See Ammunition.)

Castors.
 Bed new list, dis. 55 to 57½ per cent.
 Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
 Nos 31 and 32, per gross. 8 50 9 50

Cement.
 Canadian, Portland, 2 50
 English " 2 85
 Belgium " 2 75
 Canadian hydraulic 1 20
 Figures are for barrel lots.

Chalk.
 Carpenters Colored, per gross 0 45 0 75
 White lump, per cwt 0 60 0 65
 Red, " 0 05 0 06
 Crayon, per gross 0 14 0 18

Chisels.
 Socket, Framing and Firmer.
 American, dis. 75 per cent.
 Canadian, dis. 40 and 5 per cent.
 Tanged firmer, per doz 0 85 4 00

Churns.
 Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.

Clamps.
 Judds', dis. 20 per cent.
 Stearn's, per doz 3 00 10 00

Clips.
 Axle dis. 65 per cent.

Closets.
 Washout, plain 3 25
 " embossed 3 50

Coffee Mills.
 Box 3 60 13 00
 Side 3 60 4 00
 Enterprise, No. 0 1 35
 " No. 2 70

Compasses, Dividers, Etc.
 American, dis. 62½ to 65 per cent

Cradles, Grain.
 Canadian, dis. 20 per cent.

Dies.
 Hart Mfg. Co. (pipe es), (Amer. list), dis 40 per cent.
 Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
 Torrey's Rod, per doz. (15 p.c. 2 00
 Coil, per doz 0 88 1 60
 English per doz. 2 00 4 00

Draw Knives.
 American, dis. 70 and 10 per cent.
 Canadian, dis. 25, 50 and 10 per cent.

Drills.
 Hand and Breast
 Millar Falls, per doz. 16 00 51 50
 P. S. & W., dis. 40 per cent.

DRILL BIT.
 Morse, dis. 37½ to 40 per cent.
 Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
 Stovepipe.
 Per doz 85 1 70

FAWCETS.
 Cork Lined, per doz. 0 30 0 35
 Wine, per doz. 1 30 3 25
 Star, " 2 80 3 90
 Fenn's Corkstops, No. 2, per dozen 1 70
 Petroleum, per doz. 4 50 6 50

FILES AND RASPS.
 Globe File Mfg. Co.'s dis., files and rasps, 50 and 10 to 70 per cent.
 Toronto File Co.'s dis., files and rasps, 60 and 10 to 70 per cent.

Black Diamond, 50 and 10 to 60 per cent.
 Kearney & Foote, 60 and 10 per cent. to 60, 10, 10

Nicholson File Co., 50 and 10 to 60 per cent.
 Heller's Horse Rasps, 50 to 50 and 5 per cent.
 Jowitt's, English list, 25 to 27½ per cent.
 American, 60 to 60 and 5 per cent.
 Great Western, 60 and 10 per cent.
 Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 7 per cent.

FLUTING MACHINES.
 Each 0 60 2 00

FORKS.
 Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS.
 Ice Cream.
 Gem from \$1.25 to \$7 net.
 White Mountain, 1 to 25 qt. 1 35 13 50
 Arctic, dis. 50 p.c.

FRUIT PRESSES.
 Henis', per doz. 3 25 3 50
 Shepard's Queen City, dis. 15 per cent.

FRY PANS.
 Acme, dis. 65 to 67½ per cent.

GAUGES.
 Marking, Mortise, Etc.
 Stanley's, dis. 50 to 55 per cent.

Wire Gauges.
 Winn's, Nos. 26 to 33, each. 1 65 2 40

GLASS.
 Window.
 Box Price.

Star.
 Double Diamond.
 Under 25, 1 70 3 20 4 75
 26 to 40, 1 85 3 50 5 25
 41 to 50, 3 91 6 10
 51 to 60, 4 20 6 75
 61 to 70, 4 50 7 50
 71 to 80, 4 90 8 50
 81 to 85, 5 50 9 50
 86 to 91, 6 50 11 25
 91 to 95, 13 00
 96 to 100, 15 00
 101 to 110, 17 00
 106 to 115, 21 00

GLUE POTS.
 Tinned, each 0 30
 Enamelled each 0 55

GRINDSTONE FIXTURES
 Per doz. 3 60 4 00

HALTERS.
 Rope, ¾ per gross 8 25 8 50
 " ½ " 9 25 9 50
 " ¼ " 11 00 11 25
 Leather, 1 in., per doz. 3 87½ 4 00
 " 1½ in., " 5 15 5 25
 Web, — per doz. 1 87 2 40

HAMMERS.
 Nail
 Maydole's, dis. 5 to 10 per cent. Can., dis 25 to 27½ per cent.

Tack.
 Magnetic per doz. 1 10 1 20
 Canadian, per lb 0 07½ 0 08½

Sledge.
 Ball Pean.
 English and Can., per lb. 0 22 0 25

HANDLES.
 Axe, per doz., net, 1 50 2 60
 Store door, per doz 1 00 1 50
 Chest, per doz. pairs, 0 40 2 50

Chisel.
 Firmer, per gross 3 00 4 50
 Socket Firmer, per gross 3 25 8 00
 Socket Framing, per gross. 3 75 5 00

Fork.
 C. & B., dis. 45 per cent. rev. list.

Hoe.
 O. & B., dis. 45 per cent. rev. list.

Saw.
 American, per doz. 1 00 1 25

Plane.
 American, per gross, 3 15 3 75
 Hammer and Hatchet.
 Canadian, 45 per cent.

Cross-Cut Saw.
 Canadian, per pair 0 13½ 0 20

HANGERS.
 Door, 4 and 5 inch, per pair. 0 40 0 50
 Lanes, 6½ per cent.

HATCHETS.
 Canadian, dis. 40 to 42½ per cent

HINGES.
 Blind, Parker's, dis. 60 and 10 to 65 per cent
 " Shepard's Noiseless, dis. 60 per cent.
 " Buffalo, dis. 60 to 70 p. c.

Light T and strap, 70 and 10 p.c.
 Heavy, per lb 0 03½ 0 04½
 Screw hook and hinge—
 6 to 12 in., per 100 lbs. 3 15
 14 in. up, per 100 lbs. 2 35

Per doz. set.
 Screw, Eureka, 1 13 1 80
 Gate, Clark's, 1 50 2 20
 " Shepard's, dis. 50 to 60 per cent.

Per gro. pair
 Spring, 9 50
 " Shepard's Samson, 1 20

HOES.
 Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
 Planter, per doz. 4 00

HOOKS.
 Cast Iron.
 Bird Cage, per doz 0 50 1 10
 Clothes Line, per doz 0 27 0 63
 Harness, per doz 0 72 0 88
 Hat and Coat, per gross. 1 00 3 00
 Chandelier, per doz. 40 50 1 00

Wrought Iron.
 Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
 Hat and coat, dis. 60 to 60 and 10 p.c
 Belt, per 1,000 0 60 0 70
 Screw, bright, dis. 65 and 10 per cent

HORSE NAILS
 "P. B.", dis. 50 p.c.
 "C" brand, 50 p.c. dis. } Oval head.
 "M" brand 50 p.c.
 Acadian, 50 and 20 p.c., countersunk head.

HORSE SHOES.
 Iron Shoes. F.O.B. Montreal F.O.B. Tor. nto*
 Light medium, and heavy. 3 15 3 25
 Snow shoes 3 40 3 50

Steel Shoes.
 Light all sizes 3 35 3 45
 Extra light 4 50 4 60
 Toe weight (steel) 5 50 5 60

*Al o Hamilton, London, Guelph, St. John Halifax.

ICE PICKS.
 Star, per doz. 3 00 3 25

KETTLES.
 Brass spun, 7½ p.c. dis. off new list.
 Copper, per lb. 0 30 35
 American, 60 and 10 to 65 and 5 p.c.

KEYS.
 Lock, Can., dis. 50 p.c.
 Cabinet, trunk, and padlock,
 Am. per gross 1 60

KNOBS.
 Door, japanned and N.P., per doz. 0 90
 Bronze, Berlin, per doz. 2 75 3 25
 Bronze Genuine, " 6 00 9 00
 Shutter, porcelain, F. & L. screw per gross. 1 30 4 00

KNIVES.
 Clauss, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.
 Christie, bread, cake, and paring knives, \$7.00 doz. sets, with 10 p.c. off.
 Hay knives, spear point, L or T handle, 60 10 and 5 per cent.
 Lightning, per doz. 6 50 8 40
 Heath's, \$7.75 net.

LADLES.
 Melting, per doz. 1 70 4 50

LEMON SQUEEZERS.
 Porcelain lined, per doz. 2 20 5 60
 Galvanized, " 1 87 3 85
 King, wood, " 2 75 2 90

King, glass, " " " " " "	4 00	4 50
All glass, " " " " " "	1 20	1 30
LINES.		
Fish, per gross, " " " " " "	1 05	2 50
Chalk, " " " " " "	1 90	7 40
LOCKS.		
Canadian, dis. 50 p.c.		
Russell & Erwin, per doz.	1 75	7 50
Cabinet,		
Eagle, dis. 30 p.c.		
Padlock.		
English and Am., " doz.	50	6 00
Scandinavian, " doz.	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.		
Iron and Brass.		
Flat head, discount 25 p.c.		
Round Head, discount 20 p.c.		

MALLETS.		
Tinsmiths, " per doz.	1 25	1 50
Carpenters, hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each " "	1 60	2 00

MATTOCKS.		
Canadian, per doz.	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.		
American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.		
American, per doz.	0 42	2 35

MOLASSES GATES.		
Stebbin's Patent, dis. per cent., 77½ per cent		

NAILS		
Quotations are:	Cut.	Wire.
2d. and 3d.	\$2 75	\$2 75
3d.	2 40	2 40
4 and 5d.	2 15	2 15
6 and 7d.	2 05	2 05
8 and 9d.	1 90	1 90
10 and 12d.	1 85	1 85
16 and 20d.	1 80	1 80
30, 40, 50 and 60d. (base).	1 75	1 75

Steel Cut Nails 10c. extra.		
Brads and finishing nails, special sizes, 80 p.c. from new list.		

NAIL PULLERS.		
German and American.	1 85	3 50

NAIL SETS.		
Square, round, and octagon,		
per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.		
Poultry, 67½ per cent. for imported,		
55 per cent. for McMullen's.		

OIL.		
Canada refined oil (Toronto).	0 14	
Carbon safety " "	0 16½	
American w. w. " "	0 17½	
Pratt's Astral.	0 17	

OILERS.		
McClary's Model galvan. oil		
can, with pump, 5 gal.,		
per doz.	0 00	9 00

Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.	1 25	3 50
Brass, " "	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.		
Galvanized, per doz.	1 85	3 00

PENCILS.		
Dixon's, per gross.	1 00	4 25
Carpenter.	2 25	3 60

PICKS.		
Per doz.	6 00	9 00

PICTURE NAILS.		
Porcelain head, per gross.	1 40	3 00
Brass head, " "	0 40	1 00

PIPE CUTTING MACHINERY		
Forbes Patent Die Stocks.—Curtis & Curtis,		
Mrs. Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to		
2 in. R. & L.	\$ 50 00	
No. 38 Hand Machine, range 1½		
to 4.	100 00	
No. 56 Hand Machine, range 2½		
to 6.	175 00	

PLANES.		
Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.		
Wood, fancy Canadian or American, 37½		
to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.		
Miscellaneous, dis. 25 to 37½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.		
English, per doz.	2 00	5 00

PLIERS AND NIPPERS.		
Button's Genuine, per doz pairs, dis. 37½		
40 p.c.		
Button's Imitation, per doz.	5 00	9 00
German, per doz.	0 60	2 60

PLUMBS AND LEVELS.		
S.R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		

POPPERS.		
Corn, square, per doz.	1 35	2 00

PRUNING SHEARS.		
Per doz.	4 00	5 50

PULLEYS.		
Hothouse, per doz.	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS.		
Canadian cistern	1 40	2 25
Canadian pitcher spout.	1 15	2 00

PUNCHES.		
Saddlers, per doz.	1 00	1 85
Conductors, " "	9 00	15 00
Tinners' solid, per set.	0 00	0 72
" hollow, per inch.	0 00	1 00

RAIL.		
Barn door, per foot.	0 02½	0 02½
Sliding door, " "	0 03½	0 03½
Lanes, " "	0 02½	0 02½

RAKES.		
Cast steel and malleable Canadian, list dis		
60 to 60, 10 and 5 p.c. revised list.		
Wood, 25 per cent.		

RAZORS.		
Geo. Butler & Co.'s, per doz.	8 00	18 00
Bokers, " "	7 50	11 00
Wade & Butcher's, " "	3 60	10 00
Arbenz's, " "	9 00	18 00
Theile & Quack's, " "	7 00	12 00

RAZOR STROPS.		
Currier's, per doz.	1 25	3 60

RIVETS AND BURRS.		
Carriage, Section, Wagon Box Rivets, etc.,		
(Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc.,		
(Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and 5		
p.c.		
Copper Rivets & Burrs, 45 p.c. dis.		
" " in ½-lb. boxes and		
cartoons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.		
Canadian, dis. 35 to 37½ per cent.		

ROPE, ETC.		
7-16 in. and larger, per lb	Sisal	Manilla
10½	11½	11½
¾ in.	11	12
¾ and 5-16 in.	11½	13
Cotton	13	13
Russia Deep Sea	14½	14½
Jute	6½	7½
Lath Yarn	8½	8½
New Zealand Rope	9½	9½

RULES.		
Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.		
Mrs. Potts, per set.	0 62½	1 00
N.P., per set.		90

SAD HEATERS.		
Dome, Shepard's, per doz.	4 75	5 00

SAND AND EMERY PAPER.		
Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.		

SASH CORD.		
Per lb.	0 20	0 50

SASH LOCKS.		
Triumph and Morris, dis. 37½, 40 per cent.		
Kempbell's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.		
Sectional, per 100 lbs.	1 40	1 75
Solid, " "		1 25

SAWS.		
Crosscut, McMillan & Haynes,		
per dozen	0 40	0 70
"Empire," McMillan & Haynes,		
per lb.	0 70	0 70
Hand, Disston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Disston's, per ft.	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.	0 75	2 75
" frame only.		0 75

SAW SETS.		
"Lincoln," McMillan &		
Haynes, per doz.	6 00	7 50
Whiting, " "	5 63	7 00

SCALES		
Gurney Scales, 50 p.c.		
B. S. & M. Scales, 50 p.c.		
Champion, 60 per cent.		
Fairbanks Standard, 45 p.c.		
" Dominion, 60 p.c.		
" Richelieu, 60 p.c.		
Chatillon Spring Balances, 25 p.c.		

SCRAPERS		
Box, per doz.	2 10	4 50
Boot, " "	0 40	3 50

SCREENS.		
Door, patent, per doz.	6 50	11 00
Window, per doz.	2 00	2 75

SCREW DRIVERS		
Sargent's, per doz.	65	4 90

SCREWS.		
Wood, F. H. iron, and steel, dis. 87½ p.c.		
Wood, R. H., " dis. 80 p.c.		
" F. H. brass, dis. 82½ p.c.		
Wood, R. H., " dis. 75 p.c.		
Drive Screws, 87½ per cent.		
Bench, wood, per doz.	3 25	4 00
iron, " "	4 25	5 75

SCYTHES.		
Discount, per doz. net.	4 50	6 00

SCYTHE SNATHS.		
Canadian, dis. 50 p.c.		

SHEARS		
B. & W., japanned, dis. 75 p.c.		
B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 60 p.c.		
Etna, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
" N.P., dis. 70 p.c.		
laus, full nickel, 60 p.c.		
" japanned handles, 67½ p.c. off.		
Seymour or Heinisch tailor shears, 15 p.c.		

SHEAVES.		
Sliding door, per set.	0 77	1 40

SHOVELS AND SPADES.		
Canadian, dis. 40 and 10 to 45 and 2½ p.c.		

SIEVES.		
Wood rim, black, per doz.	1 05	1 10
" tinned, " "	1 25	1 35
Tin rim, per doz.	2 30	2 45
" black, " "	1 85	2 25

SNAPS.		
Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.		
Per lb.		0 25

WROUGHT SPIKES.		
Discount, 35 to 40 per cent.		

SPOKE SHAVES.		
Wood, English	1 80	5 00
Iron, American.	1 35	2 35

SPOONS AND FORKS.		
Tea spoons, per gross	7 50	12 00
Dessert, " "	21 00	00 00
Table, " "	30 00	00 00
Dessert Forks, " "	24 00	00 00
Medium " "	27 00	00 00
Table " "	36 00	00 00

SQUARES.		
Iron, per doz.	1 65	2 90
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAPLES.		
Galvanized	2 00	
Bright	1 00	

STEP LADDERS.		
BOECKH BROS. & COMPANY.		
Best grade, from 3 to 10-ft. long per foot, 16c		
2nd grade, 3 to 10-ft., per foot, 10c.		

STOCKS AND DIES.		
American, dis. 25 p.c.		

1 lb. rim, per doz.....	2 30	2 45
" black.....	1 85	2 25

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays to any address on receipt of

10 cents

HARDWARE AND METAL, Toronto

THE PRESS CLIPPING BUREAU

Reads every newspaper in Canada and clips therefrom all articles of a business or personal nature of interest to subscribers in this department.

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Terms—\$5 per hundred clippings: \$40 per thousand, payable in advance; but a yearly contract will be found the most satisfactory.

We have also lists of firms in every branch of trade in the Dominion, the professions, club members, society, etc., and we are prepared to address and mail circulars or letters to these at any time.

THE PRESS CLIPPING BUREAU . . .

Board of Trade, Montreal

STAR HACK SAWS BUTCHER SAWS BRACKET SAWS

THE STAR HACK SAW

Has a file temper, and one 5-cent blade will do more work than \$1 worth of files. It will cut off an inch square bar of steel 100 times without filing.

THE STAR BUTCHER SAW

Will cut four times as long without filing as any other kind in use. It will cut off a half-inch rod of iron 30 times.

THE STAR BRACKET SAW

Is taking the place of all other kinds.

None of these Star Saws are to be filed, as the price is less than the cost of filing. They are taking the place of all other saws as fast as they become known.

For Sale by Most Hardware Dealers

We also make a Power Hack Saw which may be found in most machine shops and iron working establishments, and should be found in all.

MILLERS FALLS CO. 93 Reade Street
NEW YORK

CHARLES F. CLARK, President.
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THE BRADSTREET COMPANY,

Executive Offices Proprietors.

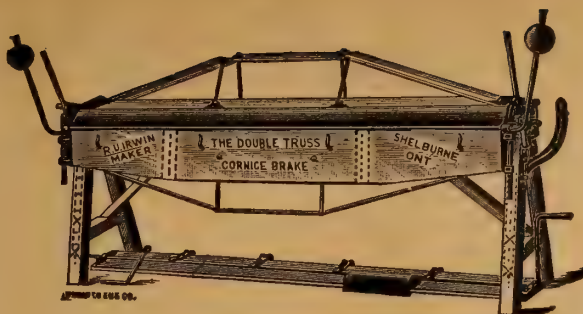
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Offices in the principal cities of the United States, Canada, the European Continent, Australia, and in London, England.

The Bradstreet Company is the oldest and, financially, the strongest organization of its kind—working in one interest and under one management—with wider ramifications, with more capital invested in the business, and it expends more money every year for the collection and dissemination of information than any similar institution in the world.

TORONTO OFFICE.

McKinnon Building, Cor. Jordan and Melinda Sts.
THOS. C. IRVING, Superintendent



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, \$50

Very handy bender attachment, \$10 extra, if required.

Send for circulars and testimonials to

**The Double Truss Cornice
Brake Co. SHELBURNE, ONT.**

It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

FULL LINE OF

**WAREHOUSE (Portable or Dormant)
HOPPER SCALES**

**DAIRY SCALES, COUNTER SCALES
WAGON SCALES
TRACK SCALES**

THE GURNEY SCALE CO., - Hamilton, Ont.

WALTER GROSE, 30 St. Dizier St., Montreal, Que.

Agent for Montreal and Eastern Provinces.

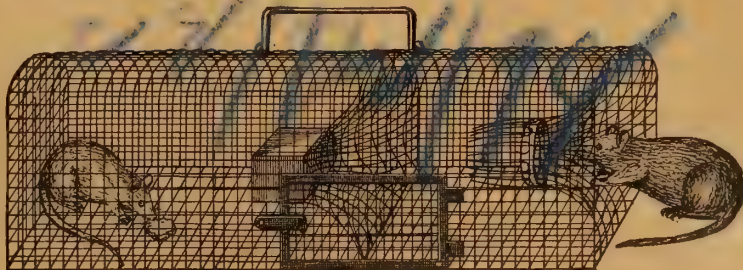
The Smith & Egge Manfg. Co.

Manufacturers of BRIDGEPORT, CONN.

"YANKEE" RAT AND MOUSE TRAPS

The most Ingenious and Effective Traps ever made. Surest, Safest, Cleanest.

These Traps are well and strongly made, and thoroughly galvanized. All Traps carefully packed and shipped in strong crates.



THE D. MOORE CO., Limited, Hamilton, Agents for Canada.

BICYCLE SUNDRIES AND PADLOCKS

"GIANT" METAL SASH CHAIN,
"Red Metal" and Steel
SASH PULLEYS,
Iron and Bronze.

PLUMBERS' CHAINS.
PLUMBERS' TANK PULLS.
PIPE STRAPS, 8 HOOKS
AND SPLIT LINKS.

Sole Manufacturers of the

"EUREKA" PATENT SHEAR.

A useful and cheap tool for cutting rods and strap metal.
SEND FOR ILLUSTRATED CATALOGUE.

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Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve

Medals

Awarded
By **JURORS** at
International Expositions
Special Prize

Gold Medal at Atlanta, 1895

HAVE YOU TRIED IT ?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

ROBERTSON'S

Pure
Ready-Mixed

Paints

You can recommend them for every description of Exterior and Interior Decoration, and you have our guarantee as to their being strictly first-class.

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Sterling Value
Langwell's Babbitt
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CANADIAN

HARDWARE

AND METAL
MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X

MONTREAL AND TORONTO, OCTOBER 8, 1898

No. 41



Magnolia Metal

Best Anti-Friction Metal for
all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamped
on the under side of
each bar.



MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Traders' Building.
MONTREAL—Caverhill, Learmont & Co.
General Dominion Agents.

Owners and Sole Manufacturers,

266 and 267 West St., New York

Every Sheet Guaranteed.

If you find any defect whatever in a case,
or part of a case, of "QUEEN'S HEAD"
Iron, report it at once to your jobber, send-
ing the packer's ticket enclosed in the case,
and any defective sheets will be replaced.

JOHN LYSAGHT, Limited

BRISTOL and MONTREAL

All
in
One.

Every desirable attribute combined in one general
whole—that best describes the Radiator of confidence; the one
folks know for what it is—Radiator perfection, The "Safford."

Without bolts, rods or packing in a single pipe connection
—absolutely unbreakable, screw-threaded nipple connections,
that's why.

You get perfect and free circulation one minute after the
heat is turned on—guaranteed by the
largest Radiator makers under the
British Flag.

Handsome as a Radiator can be—light,
yet very strong—made in twenty-five different
styles—it fits circles, corners, angles.

Made by

THE DOMINION RADIATOR CO., Limited
TORONTO, ONT.

The
Safford
Radiators.

RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President.

A. BURDETT LEE, V. P. and Treas.

Importers of

Bar Iron
Steel
Boiler Plate
Shelf and Heavy
Hardware



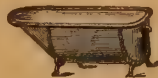
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GRATES
TILES
Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets

...TORONTO

The Bath of All Baths



Neither time nor age can affect the Bath Tub that is absolutely sanitary and yet costs about one-half as much as the old-fashioned, heavy cast-iron tub that cracks, and chips, and rusts.

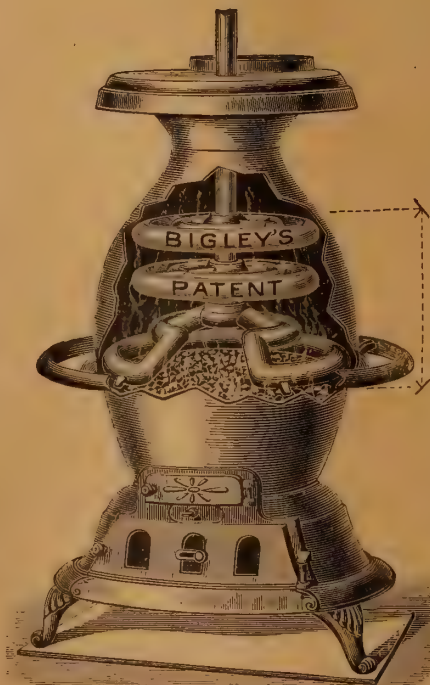
\$17 places it, complete, in your bath-room. It is a sheet metal bath, lined with sheet copper by a special process—see how clean and light it must be. If your dealer can't (or won't) show you the "Duplex" Bath, drop us a postal for "all about it."

**The
"Duplex"
Bath**

The Toronto Steel-Clad Bath
and Metal Co., Limited,
125-127 Queen St. East, Toronto

"BIGLEY'S" PATENT WATER HEATING COIL.

Made in
8 Sizes.



They are so constructed that one or more sections can be used. They are constructed principally for combination heating, in any kind of Hot Air Furnace, Globe Heaters or Stove, such as represented in cut. They are put together with screwed nipples and tested to 150 lb. pressure. The first section is cut away in front, so as to admit the coal. This heater adds $\frac{3}{8}$ more heating capacity to a stove or furnace. It can be built in brick for greenhouse heating.

Send for Catalogue

Manufactured by

R. BIGLEY 96 and 98 Queen E. **TORONTO**

James Cartland & Son Our "Para" Rubber Belt

Manufacturers of every description of

**CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY
BIRMINGHAM, ENGLAND.**



London Showrooms: 57 Holborn Viaduct, E.C.

is made of 32-oz. Duck coated with fine Para Rubber, and makes a superior THRESHING BELT.

**OUR PATENT
SEAMLESS**

Forsyth Rubber Belt

is so constructed as to do away with an exposed seam.

Price List and Discounts on application.



THE CANADIAN RUBBER CO.

OF MONTREAL

CAPITAL - \$1,500,000.

BRANCHES: Toronto and Winnipeg.

OTHER TOOLS ARE VERY GOOD TOOLS, BUT "YANKEE" TOOLS ARE BETTER



SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

Sold in Canada by _____

CAVERHILL, LEARMONT & CO.	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	"
RICE LEWIS & SON, Limited	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	LONDON
LEWIS BROS. & CO.	-	-	MONTREAL

Descriptive Circulars will be mailed on application.

North Bros. Mfg. Co.

Philadelphia, Pa., U.S.A.

ESTABLISHED
1778.



CORPORATE
MARK.

JOHN CROSSLAND

MANUFACTURER OF

SHEFFIELD.

Pocket, Table and Butcher Knives.

Spear, Bowie, Daggers, Matchets and Hunting Knives.

These goods have a world-wide reputation for good quality and finish. Any infringers of our corporate mark will be promptly prosecuted.

APPLEBY & CO., - 501 Board of Trade, MONTREAL,

The sole agents for Canada, keep a full range of samples on view.

ESTABLISHED OVER 100 YEARS.

JOHN PEACE & SONS, ALGOMA WORKS, Sheffield, England

MANUFACTURERS OF

STEEL, CHISELS, VISES, SAWS AND SHOEMAKERS' TOOLS.

CUTLERY—CARVERS, TABLE AND DESSERT KNIVES, PEN AND POCKET KNIVES,
RAZORS, SCISSORS, SPOONS AND FORKS.

SILVER AND SILVER PLATED GOODS IN NEWEST DESIGNS.

Orders given to our Agent, or sent direct to Sheffield will receive prompt attention. Our Canadian representative carries samples of all the above lines. We solicit enquiries for every description of British Goods.

Agent for Canada **John H. Peace, 73 Palmerston Avenue, Toronto.**

The fibre is long
and strong

**BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE**

Eddy's Wrapping Papers

The E. B. EDDY CO., Limited

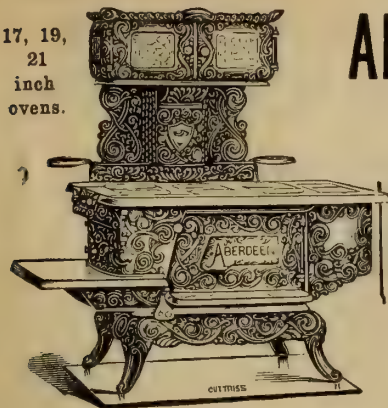
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TORONTO
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ST. JOHN
HALIFAX
HAMILTON
WINNIPEG
QUEBEC

VANCOUVER
VICTORIA
ST. JOHN, Nfld.
KINGSTON

The paper stands
wear and tear

17, 19,
21
inch
ovens.



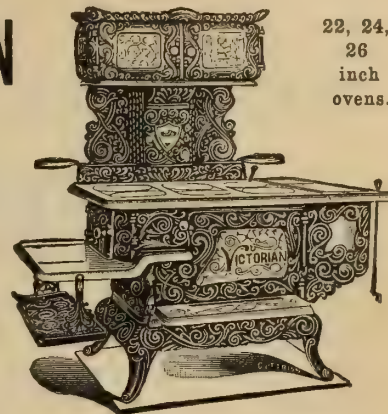
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ABERDEEN AND VICTORIAN RANGES

These two modern, beautiful ranges give a complete line of goods for coal and for wood, and were constructed with special reference to the needs of Canadian trade. They have roomy fire boxes, capacious ventilated ovens, large fire doors, spacious hearths.

The COPP BROS. CO., Limited
Hamilton, Ont.

22, 24,
26
inch
ovens.



VICTORIAN, for Wood.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinish's Sons Co. vs. Hermann Boker & Co:

"The complainant (R. Heinish's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinish' or 'H. C. Heinish' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinish's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinish Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorn & Co., St. John, N.B., H. S. Howland, Sons & Co., Toronto, and others.

Established 1825.

COLDBROOK IRON AND STEEL CO.
Limited

Manufacturers of
all kinds of

BAR IRON.

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GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

**CANADA PLATE
IRON SHEETS, COPPER
TINPLATES
STEEL SHEETS, BRASS**

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin

164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

AN ANNOUNCEMENT

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

Enameline

THE MODERN STOVE POLISH

PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

THE LADIES' BEAVER.

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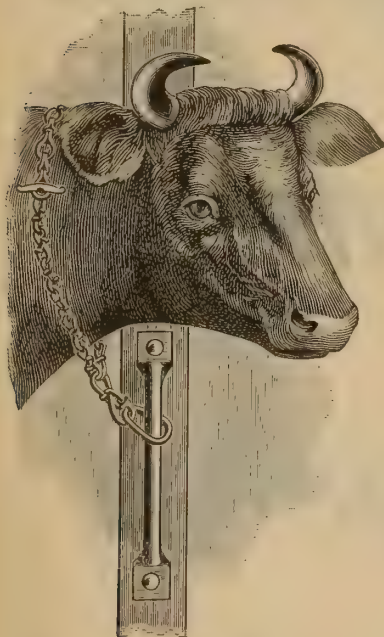


Specially designed for Ladies for Rink use, beautifully Electroplated on Copper, of superb finish.

The STARR MANUFACTURING CO., Limited

T. L. PATON, Agent, Montreal.

Makers, DARTMOUTH, N.S.



NIAGARA PATTERN

Or "SHORT"

COW TIE.

Made in either
CUT LINK
... OR ...
WIRE LINK
CHAIN.

Showing also our new
NIAGARA
STALL
FIXTURE.

The cheapest, safest and most convenient stall fixture ever devised for either cows or horses. Allows great freedom to the head without a long chain, which would entangle the animal's foot. Also American Open and Closed Ring Cow Ties.

ONEIDA COMMUNITY, Limited
NIAGARA FALLS, ONT.

KEMP'S Standard COAL HODS

Well Finished
Strong
Serviceable

ALL SIZES
AND STYLES
IN STOCK.



Prices on Application.

KEMP MANUFACTURING CO.
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HUGH C. MacLEAN, Toronto.

THE MacLEAN PUBLISHING CO Limited.

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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER.**

SHORTENING TERMS OF CREDIT.

THE movement for shorter terms of credit is marching westward, an agitation having sprung up among the manufacturers and merchants in the Western States to cut the terms down to 30 days on finished iron and steel. At present, they are 60 days.

The march of the shorter terms' movement is only the march of what may be termed a higher civilization in business.

With the building of the railways and the general improvement in transportation and other means of communication, a new condition of affairs were brought about, which made long terms of credit not only unnecessary, but, practically, impossible.

And the keenness of competition and the

small margin of profits of to-day demand further reforms along these lines.

Manufacturers, wholesalers, retailers, all have got to turn their capital over quickly and frequently to live.

A manufacturer or a merchant with a sluggish business is no more healthy than is a man with a sluggish liver.

Activity is life; and long terms of credit tend to inactivity and commercial collapse.

For the inauguration of either shorter terms of credit or for discarding the credit system altogether, it is well to choose the most favorable times and conditions for so doing.

The present is undoubtedly a favorable time for doing either one or the other. Business is healthy and active, and at no time during the last six or seven years have the conditions been so favorable for credit reform.

The iron is hot. Now is the time to strike.

IRON PIPE UP IN MONTREAL.

THE jobbing price of both black and galvanized iron pipe in Montreal was advanced this week.

The change is attributable to the strength in the United States, as domestic makers are still filling contracts at unchanged basis.

The new and the old ranges are compared here:

Black Pipe.		Old price. New price.	
¾	Inch.....	\$1 95	} \$ 2 25
¾	".....	1 95	
¾	".....	2 20	
¾	".....	2 60	
1	".....	3 60	
1 ¼	".....	4 75	
1 ½	".....	6 15	} 8 70
2	".....	8 25	
Galvanized.			
¾	Inch.....	3 75	3 95
¾	".....	4 50	4 80
1	".....	6 30	6 65
1 ¼	".....	8 65	9 15
1 ½	".....	12 00	12 75
2	".....	15 00	16 00

TROUBLE OVER DELIVERIES.

AS a result of the delayed deliveries, of which mention has been made in **HARDWARE AND METAL** before, the volume of fall importation in leading lines of heavy material is behind that for the corresponding period last year.

Many importers only received delivery of shipments of tinplate, Canada plate, and galvanized iron from Great Britain within the past week or so, orders for which were placed with the makers in May last.

The natural result is that they are now curtailing their orders for fall importation.

This difficulty over deliveries has not been experienced in connection with importations from Great Britain alone, for complaints were made this week by traders in Montreal that they had trouble in regard to shipments from the United States. Chain was a case in point, the makers explaining that the delay was through no fault of theirs, but due to the fact that they had trouble in procuring supplies of wire, their raw material.

Canadian iron pipemakers also explain that the trouble in regard to shipments of that material arises from the same cause, as they have great trouble in getting their orders for skelp, the raw material, filled with promptitude in the States. Matters got so bad at one time, in fact, with some of the mills that, had not a few car loads of skelp come along very opportunely, they would have actually been compelled to shut down their pipe plants.

It is argued from all this that business must be pretty brisk both in Great Britain and the United States at the present time.

A FALLING OFF IN FAILURES AND LIABILITIES.

A LIST of the failures in Canada during the nine months of the present year has just been issued by Bradstreet's—and a most interesting and satisfactory report it is.

The total number of failures was 1,091, against 1,501 last year, a decrease of 27 per cent.

The liabilities decreased over three million dollars, the totals for the two years being \$7,592,510 and \$10,653,212 respectively. This is a decrease of nearly 30 per cent.

But not only is the report favorable in regard to the number of failures and to liabilities, it shows that the proportion of assets to liabilities was more in favor of the creditors than it was a year ago.

The assets for the nine months of 1898 were \$3,271,772, but while they were \$870,088 less than in 1897, yet their proportion to liabilities was 43.09 against 38.8 a year ago.

The decrease in the number of failures was shared in by all the Provinces, except New Brunswick, while British Columbia and New Brunswick were the only Provinces which did not show a decrease in liabilities.

The improved character of the remittances to the wholesale houses, to say nothing of the general activity of trade, was proof that the commercial interests of the country were getting into a healthier condition; and Bradstreet's list of failures places it beyond all peradventure.

But whether times be good or times be bad there will always be failures.

Men will persist in going into business without practical knowledge thereof, or without sufficient capital, or in ill-adapted localities. And upon these the bankruptcy list can always rely for a source of supply.

There will always be a certain number of failures from causes which are beyond the control of insolvents, but the great majority of them are from causes over which the insolvent could have had control.

Disaster and failure of others are the only causes of failure over which business men can be said to have no control; and these in 1897 contributed less than 9 per cent. to the total failures for the year. Lack of

capital, incompetence, inexperience, unwise credits, extravagance, neglect, competition, speculation and fraud, were the other contributory causes.

BUSINESS MEN AND THANKSGIVING DAY.

THE Dominion Government have decreed that Thursday, November 24, shall be set apart as Thanksgiving Day, and it is quite possible that Canadians, as in former years, will be compelled to do their worshipping and holidaying amid much rain and mud.

The Ottawa correspondent of The Globe says that "a desire was expressed by some military men that Thanksgiving Day should be towards the end of October, so as to allow the militia the benefit of autumn weather for their annual manœuvres. The Government," adds the correspondent, "would willingly have complied with this suggestion but for the representations made by business men last year against the proclamation of a holiday any earlier in the season than was absolutely necessary."

CANADIAN HARDWARE AND METAL is surprised that the Government did not comply with the wishes of the military men. The men who carry arms usually have more power with Federal Governments than the men who carry on business.

But, the plea that the business men did not want the holiday held "earlier in the season than was absolutely necessary," is a specious one.

Of course, they do not want it held any sooner than is necessary.

But, it is necessary that it be held earlier than the fourth week in November—one month before Christmas.

The unpropitious weather proves it, to say nothing of the opinions of the business men, expressed in the columns of this paper.

LINSEED DEARER IN MONTREAL.

The association meeting in Montreal, this week, decided upon a further advance in linseed oil, which makes a rise of 2c. inside the fortnight.

The new prices are as follows :

	Raw.	Boiled.
Single barrels	50c.	53c.
2 to 4 "	49c.	52c.
5 to 9 "	48c.	51c.
10 to 19 "	46c.	49c.
20 barrels and over, open.		

Terms—Net cash, 30 days, 3 per cent. to be added for four months' terms.

THIS LOOKS LIKE GOOD TIMES.

DURING the month of September this year the value of building permits issued in Toronto amounted to \$143,370, as compared with \$59,195 during September last year, and \$51,575 in 1896.

This report shows that the improvement in building operations noted from time to time during the year continues unabated.

The total amount of the building operations for the first three-quarters of the present year are \$1,419,790, as compared with \$657,168 for the 12 months of 1896, and \$938,619 for the year 1897.

The principal increase has been in the construction of new factories and alterations to old ones. Last year, the permits issued for new factories and alterations to old ones amounted to \$80,770. This year, the total is \$272,620, over three times that of last year.

Another large increase has been in the construction of warehouses and additions, permits for which to the value of \$221,765 have been issued this year, as against \$71,700 in 1897. Permits for schools and additions to the extent of \$117,500 have been issued, whereas, last year, the amount spent on these institutions was so small that it is included in the miscellaneous column.

The following summary of the permits issued during the whole of 1897 and during 1898, as compared with the first nine months of 1897, show that the increase, during the present year, is distributed over all classes of buildings :

PERMITS ISSUED DURING 1897.

Dwellings.....	\$363,650
Alterations to dwellings.....	75,355
Stores and offices.....	123,300
Alterations to stores.....	46,710
Factories	61,800
Alterations to factories.....	18,970
Warehouses and additions.....	71,700
Churches and additions.....	85,050
Charitable institutions.....	14,000
Stables and additions.....	10,995
Music Hall.....	12,000
Alterations to fire-halls.....	8,000
Printing office.....	35,000
Miscellaneous.....	24,600

Total for the full year..... \$951,130

PERMITS ISSUED DURING 1898.

Dwellings.....	\$436,900
Alterations and additions to dwellings.....	61,105
Factories	162,500
Alterations and additions to factories.....	110,120
Stores	25,520
Alterations to stores	56,780
Warehouses	150,100
Alterations to warehouses	71,665
Office building and repairs.....	22,000
Schools and additions.....	117,500
Churches and additions.....	18,600
Charitable institutions.....	65,500
Hotels and restaurants.....	34,000
Theatres and repairs.....	27,200
Bank and repairs.....	13,000
Sheds and stables.....	27,285
Miscellaneous.....	20,105

Total to September 30.....\$1,419,790

GOING OUT OF THE HARDWARE TRADE.

AN important change has this week been made in the business of the wholesale hardware and metal firm of M. & L. Samuel, Benjamin & Co., Toronto.

The firm has sold the whole of its stock of shelf hardware to H. S. Howland, Sons & Co., and will hereafter devote the whole of its attention to metals and to its import and export trade.

M. & L. Samuel, Benjamin & Co. began business in Toronto in 1855 as metal merchants. About 27 years ago it added shelf hardware. Now it goes back to metals, to which it will devote its whole attention in the future. To **HARDWARE AND METAL** a member of the firm explained that it was for this purpose that it decided to dispose of its stock of hardware.

The stock is an exceptionally clean one, thanks largely to the efforts of Mr. Frank Benjamin, who during the past few years has paid particular attention to the matter.

An inventory of the stock is now being taken. In the meantime, all orders being received are turned over to H. S. Howland, Sons & Co.

A STRONG MANILLA HEMP MARKET

While no change has taken place in Canada, the position of the Manilla hemp market is decidedly strong.

For the week ending Sept. 26, according to advices from London, England, prices showed an appreciation of fully 30s. per ton from the lowest point. The change is ascribed to the clearer aspect of the market future, the improved inquiry from the trade, the renewed attention of speculators and the firmer attitude of the shipping-houses.

The receipts of hemp, at Manilla, up to Sept. 26, were 434,000 bales, against 653,000 bales the same period in 1897; shipments to the United Kingdom, 230,000 bales, against 287,000 last year; shipments to the United States, 177,000 bales, against 269,000 last year; loading for United Kingdom, 27,000 bales, against 41,000 a year ago, and loading for the United States, 1,000 bales, against 60,000 the same date in 1897.

In view of the high prices ruling in the primary market, the binder twine manufacturers in Canada are in a quandry, and

much the same is to be said of those in the United States.

Some, at least, of the factories in the Dominion are willing to quote binder twine for present delivery, accounts to be dated ahead, but they refuse to quote for future delivery. The figures they quote for present delivery are based upon to-day's high price of the raw material.

Judging from the present, high prices for next season's rope and binder twine may be expected to rule.

IRON IN CAPE BRETON.

A correspondent of The Charlottetown, P.E.I., Examiner, writes from North Sydney, C.B., as follows:

"George's river mountain promises to become the El Dorado of the east. Recent developments indicate that its mineral resources are exceptionally rich and unlimited. An immense deposit of magnetic iron was lately discovered there, running in width to 1,000 feet and two miles long. Several shafts are now sunk across the end 200 feet apart, showing a solid body of iron from the very surface. The ore consists of magnetic and hematite mixed with breaks like pig iron and is of the finest quality, equal to any Swedish iron. The removal of the surface drift exposes millions of tons of iron. It is located within half a mile of the place of shipment. This deposit alone is considered worth millions of dollars. Another large seam of magnetic is situated within a quarter of mile of it, the ore of which is coated with ferric hydrate and green carbonate of copper. Among the copper seams exposed I may mention two, one of which averages 30 feet in width and is traced three miles long, and the other is 110 feet in width and traced over a mile, a regular anaconda seam. The eastern part of the mountain is purchased by the Rio Tinto Co., of London, one of the wealthiest companies of England, controlled by the Rothschilds. The said company is now negotiating for the purchase of the iron seams and the big copper seams."

ONTARIO'S CORUNDUM DEPOSITS.

Archibald Blue, director of the Ontario Bureau of Mines, visited Renfrew County, Ont., last week to inspect the corundum deposits. He reports that corundum occurs over a large area in a syemite rock. Large numbers of float boulders were encountered on the road in Sebastopol township, where the principal deposits are. The best showing was on what is known as Block's farm, in that township. Several other deposits of considerable extent in Carlow and Raglan townships were examined.

THE HARRIS FIRE.

THE warehouses of W. G. Harris, dealer in scrap metals, etc., Toronto, which were recently destroyed by fire, present as good a picture of the devastating power of that element as one could desire. Both of the buildings gutted were three-storied high; one was 125 x 30 feet, the other, 40 x 40 feet. Now, the immense stock of old metals, rubber, lead, newspapers, woollen and other rags, etc., are in one heap of debris in the basements of the buildings. The buildings were estimated at \$10,000 in value; the stock at about \$7,000. The former are a total loss, except \$3,000 insurance. No insurance was placed on the stock, but a good deal of it may be rescued from the debris.

The furnaces of The Canada Metal Co. and the supplies of solder, babbitt, stereotype, and type metal, were considerably damaged, and are at present at the bottom of the debris. New buildings have been secured by Mr. Harris. One of these, in the near vicinity of his present premises, will be used by The Canada Metal Co., whose furnaces will soon be in operation. The Eckardt buildings, on Front street, are being used for storage purposes. A lot has been secured on Crawford street, where woollen rags will be dried, sorted, and baled.

BIG DEAL IN FIREARMS.

A large deal in firearms was closed recently between the Federal Government and Lamplough & McNaughton, whereby that firm have purchased the entire lot of Snider rifles lately called in by the Government.

These rifles are now offered to the trade at advantageous terms, each rifle being sold with bayonet, accompanied by twenty rounds of ammunition free, at the one price. These firearms should certainly be a bargain to sportsmen and others.

PETERBORO' FIRM WANTS A LOAN.

The demand for the product of The Wm. Hamilton Manufacturing Co., founders, Peterboro', Ont., has increased to such an extent that this firm are compelled to enlarge their premises and to equip their shops with the most modern machinery. This will cost about \$30,000, and the company, rather than run the risk of crippling their business by undertaking such an expenditure themselves, have asked the town of Peterboro' for a loan at 3½ per cent., to be paid semi-annually, and the principal to be paid in annual instalments. The money to be paid when the new building is erected and equipped. The matter will be put to the vote of the electorate of Peterboro' on October 18.

BUSINESS CHANGES.**DIFFICULTIES, ASSIGNMENTS, COMPROMISES.**

FREDERICK EICKHOFF, general merchant, New Westminster, B.C., is offering 50c. on the dollar.

Mrs. Dumas, hardware dealer, Quebec, has assigned.

T. W. Gray, sawmiller, Nelson, B.C., has assigned to T. M. Ward.

Jules I. Pouliot, general merchant, L'Islet, Que., is offering 60c. on the dollar.

J. E. Shell, harness dealer, Port Arthur, Ont., has assigned to H. A. McKibbin.

T. D. Rankin, general merchant, Dover Centre, Ont., has assigned to Peter Rutherford.

David Plews, pump manufacturer, Toronto, has assigned, with nominal assets, \$2,800; liabilities, \$1,600.

Arthur Alain, blacksmith, Quebec, has assigned, with assets of \$2,965 and liabilities \$3,190. The meeting of creditors is fixed for the 10th inst.

SALES MADE AND PENDING.

S. L. Stockton, blacksmith, Cornhill, N.B., has sold out.

Lagneux & Boivin, saddlers, St. Francois, New East, Que., have sold their stock.

Thomas Culbert, general merchant, Merrickville, Ont., is advertising his business for sale.

The stock of Harris & Hatfield, tinsmiths, etc., Annapolis, N.S., is advertised for sale by tender.

Skinner & Co., bicycle dealers, Hamilton, Ont., are advertising their business for sale by auction.

The stock of Peter Bertram, hardware dealer, Hamilton, Ont., is advertised for sale by tender.

The stock of R. J. Tinning, general merchant, Regina, N.W.T., has been sold to Ruth E. Tinning and J. G. Gilroy at 65c. on the dollar.

PARTNERSHIPS FORMED AND DISSOLVED.

Wolfe & Co. have registered partnership as oil dealers in Montreal.

Partnership has been registered by The Canada Plate Glass Co., Montreal.

The Canadian Plate Glass Co., Montreal, are making application for incorporation.

Frechette & Bros. have registered partnership, as general merchants, in Westbury, Que.

Lambert & Cie. have registered partnership, as general merchants, in Wolfestown, Que.

Gladwin Bros., general merchants, Little River, N.S., have dissolved, A. H. Gladwin continuing.

Weston & Sons have registered partnership as sash and door manufacturers in Marbleton, Que.

Mitchell & McLean, general merchants,

Old Bridgeport, N.S., have dissolved, J. A. Mitchell continuing.

Layton & McDormand, general merchants, Great Village, N.S., have dissolved partnership, L. E. Layton continuing.

CHANGES.

J. L. Hould, general merchant, is commencing business in Gentilly, Que.

Peter Lambert has commenced business as carriagemaker in Cornwall, Ont.

T. A. Shaw, general merchant, Keewatin, has sold out to H. W. Ecklin.

J. Rheume, foundryman, Montreal, is opening a branch store on Craig street.

Rossiter & Co., general merchants, Shakespeare, Ont., have sold out to Herold Bros.

Chas. Hamilton, hardware dealer, Roland, Man., has sold out to J. E. Birch & Son.

The Huyck Mercantile Co., general merchants, Colborne, Ont., have sold out one of their stores to Coxall & Son.

C. B. Helchey has opened out as general merchant in Tangier, N.S.

A. Simpson, general merchant, Stonewall, Man., has sold out to Stratton Bros.

W. E. G. Brown, general merchant, Thorburn, N.S., has moved to Trenton, N.S.

John W. Corbin, general merchant and hotelkeeper, Tangier, N.S., has moved to Chester, N.S.

McKinnon & Co., general merchants, Napinka, Man., have been succeeded by Temple & Boulton.

Celainre Cloutier has registered as proprietor of the firm of Thibault & Cie, tinsmiths, Sherbrooke, Que.

Miller & Griffith, Sherbrooke, Que., have been appointed liquidators of The W. R. Gardner Tool Co., Sherbrooke.

J. H. Armear, general merchant, Commercial Cross, P.E.I., has closed up his business and left that place.

Charles Des Barres, general merchant, Joggins, N.S., has registered consent for his wife, Sarah E., to do business in her own name.

M. & L. Samuel, Benjamin & Co., wholesale hardware and metal dealers, Toronto, Ont., and London, Eng., have sold their hardware branch to H. S. Howand, Sons & Co., Toronto, but will continue the metal business and general export and import trade.

FIRES.

Godwin Purcell, general merchant, Douglas, B.C., is reported burned out.

Thomas Bellamy, dealer in agricultural implements, Edmonton, N.W.T., has been burned out; loss estimated at \$1,500; insured.

The following have been burned out in Treherne, Man.: J. P. Straube, hardware dealer; loss estimated at \$7,000; insurance,

\$3,000; Bain Engelsen, hardware dealer and jeweler; loss estimated at \$7,000; insurance \$1,500; W. J. Scott, saddler; insured.

DEAL IN CEMENT.

According to pretty well substantiated reports a big deal is just about completed by which the Canadian Pacific Railway will sell out the cement works to an English syndicate in the near future. The transfer will be followed by the installation of a new plant which will immensely augment the capacity of the works. The yearly output from the big factory on False creek is some 12,000 barrels, over half of this being used by the C.P.R., but it is understood that with the new machinery about a million barrels a year will be turned out. All the raw material required for the manufacture of a particularly good line of cement are obtainable close at hand, and the success of the industry, even on so large a scale, is assured.

The English syndicate, who are purchasing, are represented here by Mr. Fisher, who is now in the city.

The manager of the works was seen by a Province reporter this morning, and, while he admitted that negotiations for a transfer of the property were under way, he would not give particulars for publication at this juncture.—Province, Vancouver, Sept. 28.

WILL PREVENT POSTS ROTTING.

It is said that a coat of boiled linseed oil and ground charcoal on any kind of post will prevent its rotting, says an exchange. Any good paint, no doubt, will do just as well. The mineral paints are very cheap, and a coat of them on the post before it is set in the ground would at least double its life. The difference in posts is more in their rotting in the ground than any other thing. Paint will make any kind of timber almost as good as the best for this purpose, thus enabling one to use that which is handiest and cheapest. It is worth while to try the experiment of painting some posts and testing their durability.

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.

Limited

HAMILTON, ONT.

TRADE CHAT.

THE total shipments from the Rossland mines since January 1, 1898, were 75,600 tons. Total shipments for the same period last year were 57,101 tons, but it must be remembered that this year the Le Roi, the principal mine of the camp, was shut down for a considerable time.

A company is being formed in Montreal to be known as The Page-Hersey Iron and Tube Company.

Wm. Merkley has opened out in business as furniture dealer and undertaker in North Williamsburg, Ont.

Ben. G. Killoran has commenced business as blacksmith, machinist and carriage-dealer at Otter Lake, Que.

A rich deposit of mica has been found in Ottawa county, Quebec, on the farm of Michael Flynn, lot 2, 10th concession of Eardley township.

A despatch from Marquette, Mich., states that the first iron ore shipped from that point to Canada is being loaded in the Canadian boats Tecumseh, Case and Mar-engo, at the Cleveland-Cliff docks. The iron will go to Deseronto, Ont.

Alex. F. Irving, A. C. Chapman, Matthew Lodge, D. G. Scott, and D. I. Welch, of Moncton, are applying for incorporation as The Anchor Wire Fence Co., Limited, with a capital of \$4,000, in \$100 shares. The company is to do business at Moncton, N.B.

The Gould Bicycle Supply Co., of Brantford, Ont., have, in the past, conducted a retail department, where they sold bicycle supplies other than those made by themselves. Last week they sold this part of their business to C. J. Mitchell, Brantford, who will henceforth carry a full stock of bicycle supplies.

BOOKLETS, CATALOGUES, ETC.

VANCOUVER BOARD OF TRADE.

CANADIAN HARDWARE AND METAL has received, from the Vancouver Board of Trade, a copy of the report of the annual meeting of that body. The report will be useful as a work of reference to all wishing information concerning the mining, lumbering, fishing and other industries of the great Province by the Pacific. In addition to the many useful tables, a map of British Columbia and the Klondyke country, showing the various routes to the latter district from British Columbia and other points, is printed in colors.

HORSE NAIL CARD.

The Montreal Rolling Mills have just issued a neat sample card showing the three different descriptions of the horsenails that they have on the market. It is handsomely mounted, and can be had on appli-

Backbone.

That's what you want in your business.

Backbone to build your business on a solid, sure foundation. Backbone to raise it high above the ordinary. Without backbone, you may as well be a jelly fish, for any real solid good you'll do to yourself or anybody else.

It takes backbone to stand up behind your counter and sell the highest grade of paint against so much trash that is offered. But it pays. It makes reputation: and that's what increases trade.

The immense trade of

THE SHERWIN-WILLIAMS PAINT

has been acquired by backbone. One quality, one label, one price is the foundation. It will stand forever.

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers

Walter H. Cottingham,
Managing Director,
Canadian Department.

CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON

cation, by traders who desire it, by sending their addresses to the Montreal office of the company.

HARD LUCK FOR A HARDWAREMAN.

This story of how a man lost a job by selling too many goods is said, by an exchange, to be true:

A bright young man, who had been seeking work for some time in Chicago, finally applied for a position as salesman for a new wrench, which a Chicago concern had recently put on the market. He arranged with the firm on a basis of salary and expenses, and started out to sell wrenches.

The night of the day on which he was employed found him on the way to St. Louis, and on his arrival next morning he ate breakfast and began to work the hardware trade in the interests of the wrench. One large firm in St. Louis liked the new tool especially well, and inquired the price on large lots, finally agreeing to take the entire output of the Chicago factory for five years. The salesman apprised his employers of his success, and they replied:

You have succeeded admirably in selling the entire output of our factory upon such satisfactory terms. Please accept our congratulations. Since our output is disposed of, we shall, of course, no longer require your services.

Wishing you every good fortune, we remain,

Very truly yours,

VERITY PLOW CO.'S NEW WORKS.

THE new works for The Verity Plow Co., Limited, Brantford, Ont., are almost ready for occupation. The 250 horse-power engine is ready to start, and, during the past week, supplies have been received in large quantities. It will likely be from five to six weeks, however, before all the departments are moved from the old buildings to their more commodious habitation.

The main building is, altogether, 760 feet long, and three stories high, and will contain the following departments: Dipping-room, 43x59; polishing-room, 154x59; machine shop, 154x59; wet grinding-room, 98x59, and blacksmith shop, 310x59. The length of the foundry building is 560 feet. In it, the following departments are situated: Foundry, 156x64; mill-room, 43x59; engine-room, 37x59; boiler-room, 37x59; shaving, block bins, etc., 142x59; woodshop, 142x59. The length, over all, is 560 feet.

The office and stores will be situated in a separate three-storey building, 210x62 feet, and will be fitted-up in handsome style.

All the buildings will be guarded against fire by an automatic sprinkler system, costing, altogether, \$15,000. In every way, the equipment is of the most modern character.

THE CANADIAN IRON ORE RANGES.

THE Duluth correspondent of Iron Age says: "Reports come that since the beginning of actual work on the line of railway to connect the Canadian side of Lake Superior with Manitoba, there has been much activity in prospecting and land selection along the Atikokan and Mattawan ranges, which lies west from the lake and north of what is known as the Seine river gold belt. The impression appears to be general among those not best informed that these ranges are likely to prove a second Mesaba, at least, in their effect on present ore deposits and investments. That there is no likelihood of such being the case, a little investigation will prove. There will be a haul of from 100 to 140 miles to lake from these deposits, and, while very large, apparently, they have not been prospected enough to prove their extent and depth. Some very deleterious elements are found on assay in some of the ore, though in small quantity, perhaps not enough to prove dangerous. The duty, which will scarcely be reduced or taken off if these competitive fields are opened strongly, is of course the chief drawback to large imports of this ore. In the case of export trade they might be very serious competitors as supply for Canadian furnaces, were it not for other advantages possessed by the Lake Superior fields now opened. All who have inspected the new fields are united in the opinion that they possess large deposits of ore, much of it very high in metallic iron."

HALL LAMPS.

When ordering lamps, those which hang from the ceiling should not be forgotten or ignored, says Stoves and Hardware Reporter. There are many styles of these, differing widely in price and used in various ways and rooms. The most suitable lamp for a hall is one which is suspended from the ceiling. They may be quite artistic, and, as they are not expected to give a brilliant light, richly colored globes are preferable to those which are paler and more colorless. While there are styles which may be obtained at extremely low prices, it is not well to buy the excessively cheap kinds. A badly made lamp is a poor investment for all concerned in the transaction. Its cheapness renders a consequent defectiveness inevitable, and the gratification which a customer may feel in getting a bargain may soon be turned into dissatisfaction upon finding that the lamp is unsatisfactory. Such lamps are generally too small, light, flimsy and inferior to prove serviceable. Remarkably good lamps may be secured for a sum which will place them within the means of all, and they will give

satisfaction. This style has a ruby globe, glass fount and chimney, and is 24 inches in height. For those who do not care for the highly colored globes, there are lamps which are more expensive, and which are etched crystal. Many of these have a polished bronze finish; still others, equally attractive, are finished in black iron.

PERSONAL MENTION.

Mr. W. H. Evans, of the Canada Paint Co., Limited, has been confined to his home, in Toronto, the past week, suffering from a severe cold.

Mr. T. B. Lee, of Rice Lewis & Son, Limited, who, for the past week or ten days, has been confined to his home through illness, is again at his desk.

Messrs. S. R. Kennedy and C. A. Thomas, members of M. & L. Samuel, Benjamin & Co.'s traveling staff, have entered the employ of H. S. Howland, Sons & Co. Mr. Kennedy will travel upon the Canada Southern railway, and visit the Niagara Peninsula. He will also do the Midland railway, thus materially going over his old ground. Mr. Thomas will take in the County of Waterloo, in which he is well known, and the Grand Trunk railway from Windsor to Toronto. It is expected the Messrs. Kennedy and Thomas will begin their respective trips next week.

A MONTREAL FIRE.

The spring manufacturing department of the Montreal Spring and Axle Works, on Stadacona street, was destroyed by fire at an early hour on Wednesday morning. Shortly after 4 o'clock a watchman saw flames issuing from the roof of the factory, and immediately sent in an alarm. It was at first supposed that a portion of the C.P.R. shops was on fire, and the big whistles were sounded, and in a few moments everybody in the neighborhood was aroused. The fire spread rapidly and worked downward from the roof, and soon the whole building was in a mass of flames. The whole interior was cleaned out in an hour, and the walls only, were left standing. The firemen worked well, and prevented the fire from spreading to the axe-works adjoining.

The spring building and its contents are a total loss, and the damage is variously estimated at from \$10,000 to \$15,000, and is fully covered by insurance.

Mr. Coghlin will immediately begin the rebuilding of the factory, and, it is expected to be in running order in a few weeks. In the meantime, a force of fifty men will be out of employment.

The employees of Shaw, Cassils & Co., tanners, Huntsville, Ont., have struck. They claim that the foreman, C. O. Shaw, recently of Michigan, is cutting wages, and reducing the staff, with the intention of replacing them with outsiders. The vats were full of hides when the strike began.

GILBERTSON'S

"COMET"

BRAND

and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

Patent Flattened Galvanized Steel Sheets

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

"Gilbertson's" Tinplates

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe," "Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . .

22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

WHOLESALE
MERCHANTS

37-39 Front Street West

TORONTO



Marlin Repeating Rifles.



Winchester Repeating Rifles and Shot Guns.



Piper's Breech-Loading Guns.

10, 12, AND 16 GAUGE

RELOADING TOOLS, SHOT POUCHES, POWDER FLASKS.

American Deadshot, 25-lb. kegs.

POWDERS

Schultze Smokeless, in ½-lb. Tins.

GRAHAM Cut and Wire Nails are the Best.

H. S. HOWLAND, SONS & CO.

ORDER SOLICITED.

TORONTO.

OUR PRICES ARE RIGHT.

Revolvers, Flobert Rifles, Ammunition.

Loaded Shells, Shot, Wads and Caps.

MANITOBA MARKETS.

WINNIPEG, Oct. 4, 1898.

SATURDAY'S furious storm of rain and wind did serious damage to many of the large buildings in course of erection.

No changes in prices of hardware are reported. Glass is firm, and an advance is expected this week.

Many sporting men are out of town after the chickens just now, and some good bags are reported.

The advent of colder weather has made things lively for retail store men. Painters and paperhangers are also very busy.

Business (wholesale) is quiet just now, and no immediate improvement is looked for, owing, to the fact, that farmers are storing rather than selling their grain.

Price list is as follows.

Barb wire, 100 lb.	\$2 40
Plain twist wire and staples.	3 00
Oiled annealed wire.	10 20
"	11 20
"	12 30
"	13 30
"	14 30
"	15 30
Wire nails, 30 to 60 dy, keg.	2 35
" 16 and 20	2 40
" 10	2 45
" 8	2 50
" 6	2 65
" 4	2 75
" 3	3 00
Cut nails, 50 and 60 dy.	2 15
" 20 to 40	2 20
" 10 to 16	2 25
" 8	2 30
" 6	2 35
" 4	2 60
" 3	2 85
" 3 fine	3 15
Horse nails, 45 per cent. discount.	
Horse shoes, iron, light, medium and heavy, keg.	3 90
Snow shoes.	4 15
Steel, light.	4 15
" extra light.	5 75
Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	
Tool steel, Black Diamond, 100 lbs.	8 00
Jessop.	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge.	3 75
28 gauge.	4 00
Galvanized American, 16 to 24 gauge.	4 00
26 gauge.	4 25
28 gauge.	4 50
Genuine Russian, lb.	12
Imitation "	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge.	7 50
28 gauge.	8 50
Tin plate, 1C charcoal, 20 x 28, box.	8 50
" IX	10 50
" IXX	12 50
Canada plate, 18 x 21 and 18 x 24.	3 25
Sheet zinc, cask lots, 100 lbs.	6 50
Broken lots.	7 00
Pig lead, 100 lbs.	4 25
Wrought pipe, black, 1/4 inch.	2 50
" 3/8 inch.	2 75
" 1/2 inch.	3 00
" 3/4 inch.	4 00
" 1 inch.	5 00
" 1 1/4 inch.	7 00
" 1 1/2 inch.	8 50
" 2 inch.	11 50
" Over 2 inch.	65 p.c.
Rope, sisal, 7-16 and larger.	12 00
" 3/4	12 50
" 1/4 and 5-16	13 00
Manilla, 7-16 and larger	13 50
" 3/4	14 00
" 1/4 and 5-16	14 50
Cotton, all sizes, lb.	16
Axes, per box	\$5.50 to 8 00

Screws, flat head, iron	85 p.c.
Round " "	77 1/2 p.c.
Flat " brass	80 p.c.
Round " "	72 p.c.
Bolts, carriage	60 p.c.
Machine.	60 p.c.
Tire.	55 p.c.
Sleigh shoe.	65 p.c.
Rivets, iron.	50 p.c.
Copper, No. 8, lb.	28c.
Spades and shovels.	40 p.c.
Harvest tools.	60 to 60-10 p.c.
Axe handles, turned, s. g. hickory, doz.	\$2 50
No. 1.	1 50
No. 2.	1 25
Octagon extra.	1 65
No. 1.	1 25
Linseed oil, raw, per gal.	55
" boiled "	58
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol.	25 p.c.
" military	15 p.c.
American R.F.	35 p.c.
C.F. pistol.	5 p.c.
C.F. military.	Net
Loaded shells, Robin Hood, M	\$20 00
Eley's 12 gauge, M.	16 00
American, M.	16 20
Shot, Ordinary, per 100 lbs	6 25
Chilled.	6 75
Powder, F.F., keg.	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed.	.70 and 30 p.c.
Granite ware, according to quality.	50 to 60 p.c.

COMING TO CANADA WITH SAMPLES

Editor HARDWARE AND METAL.—As subscribers of your journal, it will be of interest to you that our Mr. Hahn is preparing another tour through Canada. The first journey, which took four months, at the beginning of this year, was only a prospecting one.

Mr. Hahn saw all the large cities of Canada and went as far as Victoria and Vancouver, and was very favorably impressed with the country and trade, and especially with the hearty welcome shown to him by all hardwaremen, so our partner is looking forward with great pleasure to next month's visit. A very fine and carefully selected collection of samples, with very best prices, will be exhibited in all the larger towns of Canada, just putting our firm in the position to add also a circle of Canadian customers to our extensive trade with other parts of the world. Our firm will be the sole agents for several large English factories, and we shall show an extensive variety of cutlery, fishing tackle, brass goods, etc., and are anxious to do anything reasonable to comply with the wishes of the Canadian trade. Mr. Hahn's first address is: The Bank of British North America.

SCHAFFER, HAHN & BEHRENS.

Birmingham, Sept. 27, 1898.

SKATES AND SKATES.

There are skates and skates; high-priced skates and low-priced skates; iron skates and steel skates; cheap European skates and high-priced American racing skates. But, on all the skates in the market, there is only one with the name "Winslow" on it. Samuel Winslow's name "goes" wherever placed on a skate.

Safes, Scales
Trucks, Barrows, etc.

Goldie & McCullough's Safes, Vaults, Doors, etc.
Standard Scales of every size and variety.
Trucks and Barrows for every service
Show Cases, every design and size.
Butchers' and Blacksmiths' Supplies.
Second-hand Safes bought, sold, exchanged or repaired.

F. M. SULLIVAN.

Office—308 St. James St.

Factory—419 St. Paul St. MONTREAL, QUE.

Emery and Hardware
Specialties

Hamilton, Ont. COOKE HARDWARE CO.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent,
April 3 1897.

With Plated Rust Proof and Guarded Spring.
"The Latest and Best." Sold by all Leading
Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety.
Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and
Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS

Hand and Power, easiest running made.
Manufactured in every style and variety. Our
power machines will meet every requirement.
Our flexible shafts are tempered steel, and
will not heat. 1899 catalogue ready.

COATES CLIPPER MFG. CO.

WORCESTER, MASS.

AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods
We make a specialty of.... Can ship promptly and supply the very best

"Hand Shaved"

Octagon

Axe Handles

Made by
Indian

being the largest dealers in Canada in this line.
Can give exceptional value.
Have 5,000 dozen of these handles
on hand, ready for polishing.
Write for prices.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.



Emery

Write for Latest Catalogues and Samples to

The **LONDON EMERY WORKS CO.**, 10-12 Vine Street Clerkenwell, **LONDON, E.C.**

AGENTS WANTED.

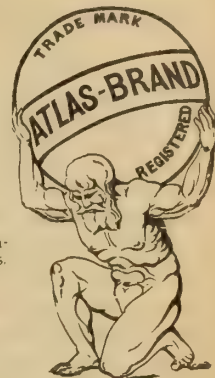
Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tin

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.

Grinding Machinery.



Sanderson Percy & Company's PURE PREPARED PAINTS

The Oldest and Most Reliable.

CANADIAN ADVERTISING is best done by THE
E. DESBARATS ADVERTISING AGENCY,
MONTREAL.

ISLAND CITY
Paint and
Varnish Works

.. Manufacturers of ..

READY MIXED PAINTS and
FINE COACH VARNISHES.

WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.
WORKS 274 St. Patrick St., MONTREAL.

BOLTS STOVE
TIRE

RIVETS OF ALL KINDS.

Montreal Agent—**KNOX HENRY**,
Board of Trade Bdg.

Toronto Agent—**LOUIS HUFFMAN**,
1634 King Street West.

CHALCRAFT
SCREW CO.
BRANTFORD, ONT.

We are the Oldest and Largest Manufacturers of

SCREWS and
BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The ...

John Morrow Machine Screw Co.
Ingersoll - Ontario.

CAUTION.

As some jobbers are trying to substitute other Lanterns to their customers, when ours are asked for, the trade are respectfully requested to see that they get "WRIGHT'S" Lanterns when they order them, as there are no lanterns equal to them in the market.

E. T. Wright & Co.,
Manufacturers,
Hamilton, Ont.



SHEET STEEL
BUILDING
MATERIALS

are now being largely used for all classes of buildings, and, as these goods are bound to be an important department of every Hardware and Tin Shop in the Dominion, we take this opportunity of asking you to write us regarding prices to the Trade.

Our goods are **THE BEST** on the market, and our prices meet any competition.

The Pedlar Metal
Roofing Co.

OSHAWA, ONTARIO.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

SOUTHERN FOUNDRY IRONS.

ROGERS, RROWN & Co. report as follows under date of Cincinnati, Oct. 1: The business of the week has been one of considerable animation. The demand for Southern foundry irons, especially in the soft grades, has been so great that some of the furnaces are unable to quote for delivery this year, and one Southern company, in certain grades, can promise nothing on new orders before March, 1899. It is exceedingly difficult and, in many cases, absolutely impossible, to supply the demand. Consumption is evidently still expanding slightly, evidenced by the placing of orders in liberal additions to old ones, which were, at the time they were entered, deemed adequate for all necessities. Further, stocks of furnace irons, north and south, as well as warrants, continue to be steadily reduced. Owing to the advanced prices on southern irons, northern furnaces are enjoying a larger business at figures which have hardened, and, should demand continue, will be advanced doubtless in the very early future. The successful blowing in of the Bristol furnace, we believe, is the only revival of the silent stacks.

PIG IRON IN GLASGOW.

On the Glasgow Exchange, G. M. B. Scotch pig iron warrants have been firm all the week, with steady buying at gradually advancing prices. Yesterday the market closed at 48s. 8d. cash, and 48s. 10d. a month, buyers. To-day's market was steady at 48s. 6d. cash, an advance of 4d. per ton since last Friday. Makers' iron is from 6d. to 1s. per ton higher all round. The shipments last week were better, principally to foreign ports, but only a few tons of iron have gone out of Connal's Glasgow stores, and the stock remains at 319,000 tons. There are 75 furnaces in blast in Scotland, of which 29 are on ordinary iron, 40 are making hematite iron, and 6 basic iron.

A year ago the figures were: Scotch 35, hematite 37, basic 6.—Iron and Steel Trades Journal.

TINPLATES IN WALES.

The shipments of tinplates have been very small during the past week, showing an increase in the stocks. This, however, is to be attributed to the non-arrival of tonnage, but it is expected that the deficiency will be made up this week. The makers still continue to uphold their quotations, and decline to take orders at lower figures, as all the raw materials are higher in value, there being a steady advance in block tin and spelter, so that there is no chance of plates coming down lower in price in the face of the enhanced cost of manufacture.—Industrial World, Swansea, Sept. 23.

BARB WIRE IN THE UNITED STATES.

The advance noted in our last issue is firmly maintained, and the market is represented by the quotation of \$1.40 for painted, in carload lots, f.o.b. Pittsburgh, and \$1.70 for galvanized. Advances for other factory points are as follows: Cleveland, 2½c.; Chicago, Joliet, Cincinnati and Louisville, 7½c.; St. Louis, 12½c. To the small trade, manufacturers regularly quote 5c. higher. There is a decided improvement in the volume of business, and manufacturers are anticipating a heavy demand during the season.—Iron Age.

STEEL TENDING UPWARD.

The steel plate mills in Scotland, Cleveland and other districts are all fully employed, and have many months' work secured, and, although no official advance in prices is recorded, the tendency is upward, and top prices have not yet been reached. The rail trade is quiet at most of the works. On the northwest coast, the mills are maintaining a large and regular output. Throughout the year, the steel shipments from the west coast have aver-

aged 10,000 tons a week, and, if the deliveries by rail were added, it would show that the production of steel in Cumberland and North Lancashire has this year equaled, if not surpassed, the records. Merchant steel and engineering sections of steel are inquired for on all the markets, and all the makers are well employed. Steel bars are quoted in Manchester from £6 10s. upwards, and plates from £6 15s. to £7 10s.—Iron and Steel Trades Journal.

NEW YORK METAL MARKET.

PIG TIN—There was a good movement of tin into the channels of consumption, including fully the late average of lots of about five tons, and prices moved higher in the face of the statistical compilation given out yesterday. Sales were made at 16.25 to 16.30c. net, and at 16.30 to 16.35c. free on board. Smaller quantities realized some advance on those figures. London cables were decidedly higher and helped to encourage the bullish feeling that prevailed here.

COPPER—There is little movement outside of deliveries on old orders and consignments, but this proves sufficient to take up the bulk of present supply and hold prices for spot stock at more or less premium. The range is 12¼ to 12½c. for Lake Superior ingot; 11¾ to 12¼c. for electrolytic bars, etc., and 11¾ to 12c. for casting stock, according to terms.

PIG LEAD—Small business only was reported for the day, and the demand seemed more than usually tame. Prices were rather weak at 3.90 to 3.95c., according to delivery. The London market was reported virtually unchanged.

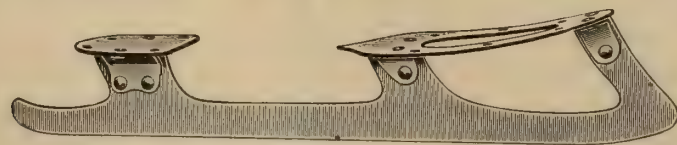
SPELTER—Carload-lot business is about all that is taking place, and prices remain without change. The London market is quite firm, with prices on the basis of £22 5s. for good merchant bars.

ANTIMONY—The market is steady, but quiet, at 9 to 9½c., as to brand and quantity.

TINPLATE—There is only moderate business, and no improvement in the demand for this year. Prices remain without quotable change.

IRON AND STEEL—Business is generally very fair, and only slight, unimportant variation is taking place in any department.—N.Y. Journal of Commerce, October 5.

The Celebrated "WINSLOW" Hockey Skate.



Our **HOCKEY SKATES** have been adopted by the Hockey Club of St. Nicholas Rink, New York City, and are conceded by experts to be **THE BEST**. **THE BRACKETS** will not break. We warrant every pair.

The Samuel Winslow Skate Mfg. Co.

Catalogues sent free on application.

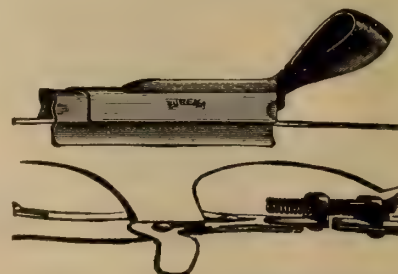
WORCESTER, MASS.

A full assortment adapted to Canadian trade carried by Caverhill, Learmont & Co., Montreal.

Skate Sharpeners.

BEST IN THE WORLD.

Will outlast any skate but the "Winslow."





Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed
Nuts, Square and Hexagon**IN RUNNING ORDER**

The fire that lately damaged our premises somewhat, is not as severe as we thought, and the various departments in our works are now in running order.

(43) **W. R. CUTHBERT & CO.,**
Duke St., Montreal. Brass Founders, Etc.

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope

Star Brand Cotton Clothes Lines

Star Brand Cotton Twine

For Sale by all Wholesale Dealers

Canadian Mining Institute

**PROSPECTORS'
CORRESPONDENCE
CLASSES
A SPECIALTY.**

Write for particulars.

If you want the straightest and most durable Rawhide Whips in the market, order our

Napoleon and Monarch

WHIPS

Every Whip Guaranteed.

Patented and made only by . . .

HAMILTON WHIP CO.

119, 121, 123 Mary St., HAMILTON.

Cheap Whips of Every Style.

The Canadian Mining Exhibit Co., Limited

Will give you any information in reference to Mines or Minerals found in your district.

Assays made by their own Assayers

If you have or know of any Minerals you do not know the value of, send Samples to us, and we will let you know whether it is worth anything to you.

Mining Properties Valued by Experts

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CANADIAN MINING EXHIBIT CO., Limited

650 Craig Street ... MONTREAL.

THE

New White Metal Polish

"Nanon"

The Queen of Polishes.

Imparts instantaneously a dazzling and lasting

BRILLIANCY

to Brass, Tin, Nickel, Zinc, Gold, Silver, etc. Free from grit or emery, and will not scratch the finest surface.

Samples on Application.

LAMPLOUGH & McNAUGHTON

Montreal

Sole Agents for Canada.

N. F. 1877 Colonial Pattern in Plate.



BUTTER KNIFE, FULL SIZE.

PRICE LIST.

Tea Spoons.....	Per Doz.	\$2.00	Butter Knives.....	Per Doz.	\$4.00
Coffee Spoons.....	" "	2.00	Pickle Forks.....	" "	3.20
5 o'clock Tea Spoons.....	" "	2.00	Berry Forks.....	" "	3.20
Dessert Spoons.....	" "	3.60	Oyster Forks.....	" "	3.20
Table Spoons.....	" "	4.00	Berry Spoons, in Satin Lined Box.....		\$1.00 each
Dessert Forks.....	" "	3.60	Gravy Ladles.....	" " "	1.20 "
Medium Forks.....	" "	4.00	Soup Ladles.....	" " "	2.30 "
Sugar Shells.....	" "	3.20	Child's Set.....	" " "	.75 "

Less 50 per cent. Trade Discount.

Illustrated Supplementary Catalogue and sheets of Electro Silver Plated Specialties mailed to the trade on application.

THE TORONTO SILVER PLATE CO., Limited

Silversmiths and Manufacturers of Electro Silver Plate.

Factories and Salesrooms—King Street West, TORONTO, CANADA.

E. G. GOODERHAM, Manager and Sec.-Treas.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Oct. 7, 1898.

HARDWARE.

WHILE there is a fair volume of trade in shelf and general hardware at present, many dealers confess that they are disappointed with the turnover since Sept. 15, as they had been led to expect that it would have been much larger than it was, when, as a matter of fact, it has not been equal to that of the corresponding period last fall. The makers' associations have been holding their meetings this week in this city, but, so far, no changes have resulted, and values, with the single exception of wire nails, are generally steady. Prices on the line named, however, continue unsettled, the better feeling across the line having had no effect whatever in steadying values here. Present movement has been chiefly supplied by cut and wire nails, horse nails, horse shoes, screws, bolts, and similar lines.

BARB WIRE—The change in the price in the west has not affected spot values, 2c.

still being the basis here, and we quote \$2 f.o.b. Montreal, as before.

PLAIN WIRE—There has been no special activity in plain wire, orders for both fencing and hay-baling being of a limited character. Discounts are the same, 40 per cent. on oiled and annealed and 35 per cent. on galvanized.

WIRE NAILS—The steadier feeling in the United States has no influence on wire nails, for values are still unsettled. We quote \$1.75 per keg, with car lots less.

CUT NAILS—The makers held their quarterly meeting this week, but there was no change in prices, the old basis of \$1.75 f.o.b. Montreal, Toronto, Hamilton and London, with the 5c. rebate being confirmed.

HORSE NAILS—Makers are in session this week, but it is not expected that any change will result. Discounts are 50 per cent. on Standard, 50 and 20 on Acadia brand.

HORSESHOES—The makers have disposed of these without making any alteration in quotations. We quote as follows: Iron shoes,

light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35.

SCREWS—Trade is fairly steady, while prices are the same, the makers not yet having considered these goods. Discounts are as follows: Flat head bright 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—There is a fair volume of trade in these. Discounts are: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS—There is a steady trade in these. Discounts are: Iron, black and tinned, all sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Demand has been fair this week, but not for any large quantities. We quote: Sisal, 7-16 and up, 10 to 10¼c.; ¾, 10½c.; 5-16 and ¼, 11 to 11¼c., and

YUKON TRIPLE HEATER

The Most Powerful Heater Made. Burns 30-inch Wood.

Equal to a Small Furnace.
Will Heat an Entire House at a Small Cost.

TWO hot air pipes conduct heat to any part of the house desired. Fire travels three times the length of stove before entering smoke pipe, and can be retained over night to a certainty.

DESCRIPTION.

FIRE BOX is formed by four separate pieces of heavy corrugated iron, with a wood rest in the bottom, entirely surrounded by another lining; any repairs to fire box can be easily replaced through the front door.

HOT AIR is supplied through two pipes on top; the cold air is drawn from the floor, passing over the whole surface of the fire box on both sides of the stove and distributed heated into the rooms above, causing a healthful circulation of air throughout the house; hot-air pipes cannot rob from each other, the heat being evenly distributed between both.

FIRE TRAVELS to the extreme end of fire box, then upwards through two horizontal flues to the extreme front of stove, thence upwards through two more horizontal flues to the smoke pipe, after having travelled **three times the length of stove**. By opening the damper the fire can be made to pass direct into the smoke pipe.

CLEANING of flues can be easily done from the front.

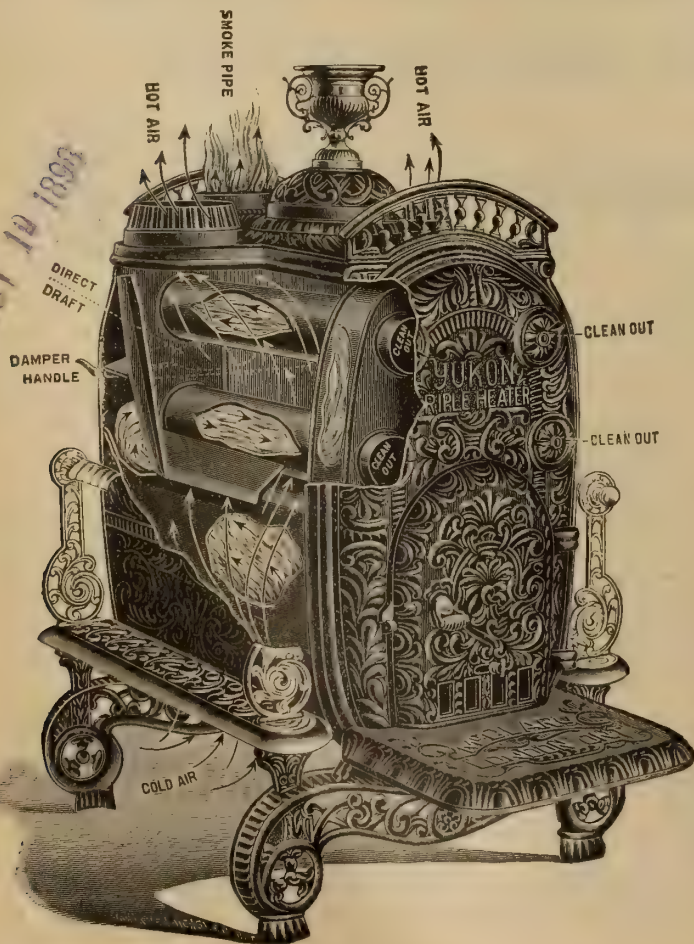
DETACHABLE BASE, with nicked ornaments, can be set up by anyone.

HANDSOMELY CARVED AND ORNAMENTED WITH NICKEL.

PRACTICALLY AS POWERFUL A HEATER AS A SMALL FURNACE.

If you want your Orders Quickly, order from McClary's.

The McClary Manufacturing Co.
London, Toronto, Montreal, Winnipeg, Vancouver.



The genuine is stenciled "Apollo-Vandergrift"

**APOLLO BEST BLOOM
GALVANIZED IRON.**

All workers in galvanized iron agree that Apollo is best.

It is cheapest too.

Apollo Iron and Steel Company
Vandergrift Building
Pittsburgh

Works: Apollo and Vandergrift, Pa.

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

32 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

FACTORIES

...MONTREAL

CUT NAILS

Clinch and Pressed Nails, Horse Shoes (Steel and Iron), Railway and Pressed Spikes, Mine and Wharf Spikes, Drift Bolts, Washers (Steel and Iron).

CANADA IRON FURNACE CO.,

Manufacturers of Limited.

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

3-16, 11½c.; manilla, 7-16, 11½c.; ¾, 12¼c.; 5-16 and ¼, 13c., and 3-16, 13¼c.

CLOTHES WRINGERS—A steady trade is passing, and prices are unchanged at \$29 to \$30, as to brand.

BELTING—Prices the same with trade fair.

HINGES—A moderate demand is experienced. We quote as follows: 6 to 12 inch, \$3.15 per 100 lb.; 14 inch, \$2.35; T and strap, 70 and 10 per cent., and screen door, \$6.50 per gross pair.

SPADES AND SHOVELS—Demand of a quiet character, and discounts unaltered at 40 and 10 per cent.

BUILDING PAPER—There has been a fair enquiry for this material. We quote: Fibre, tarred, 45c.; dried, 35c.; sheathing, tarred, 27c.; dried, 22c.; tarred roofing felt, \$1.10.

SPORTING GOODS—Ammunition and fire-arms have been moving with a fair degree of freedom.

CUTLERY—Trade fair for all descriptions.

CEMENT—Demand continues brisk, and prices are firmly held under extremely light stocks. We quote as follows: Belgian, \$1.85 to \$2.05; German, \$2.35 to \$2.50, and English, \$2.25 to \$2.35, with domestic \$1.95 to \$2.

FIREBRICKS—There is a moderate trade in these, and prices are steady at \$16 to \$21 per 1,000, as to brand.

METALS.

Trade in heavy iron and metals has been moderately active, and there have been no radical changes except in the case of iron pipe, which is held much higher than it was last week.

PIG IRON—The market for pig iron shows very little change, the only business of importance noted being in No. 1 Summerlee, which sold at \$17 ex wharf. We quote as follows: No. 1 Hamilton, \$15 to \$15.50; No. 2, \$14.50; Ferrona, \$14.50 to \$15; Siemens, \$14.50 to \$15, and Summerlee and equal brands, \$17, ex wharf, and \$18 to \$18.50 ex yard.

BAR IRON—Business in bar iron continues fair, and quite a few car lot transactions have been put through this week. We quote: \$1.35 to \$1.40.

HOOPS AND BANDS—Demand for this material has also been more active, especially for forward shipment. We quote: \$1.75 to \$2.

SHEET STEEL—There is a fair trade doing at steady prices. We quote as follows: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON—Trade is also picking up in sheet iron, and stocks are better assorted than they were. We quote: \$2.10 on 10 to 16 gauge; \$1.80 on 18 to 20 gauge; \$2 on 22 to 24 gauge; \$2.10 on 26 gauge, and \$2.15 on 28 gauge.

WIRE.

Oliver Wire Co's

Barbed, and other Fencing Wires, Telephone Wire, Nail Wire, etc.

The Whitecross Co's

Telegraph Wire, Spring Wire, and special grades for all purposes.

WIRE ROPE of all grades.

A. C. LESLIE & CO.
MONTREAL

Sanderson's Tool Steel in stock.

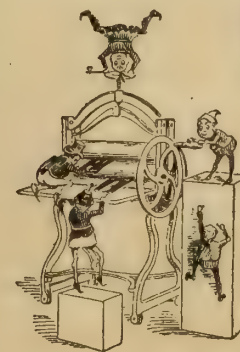
"GREENING'S

Cow Ties."

These Cow Ties have stood the test for years. Undoubtedly the best and strongest on the market.

It will pay to handle only the best. A complete line of all sizes ready for shipment. For sale by all jobbers.

The B. Greening Wire Co.
LIMITED
MONTREAL AND HAMILTON.



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited
Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.
Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

GALVANIZED IRON—Several good shipments have arrived lately, and dealers are now better supplied to meet the rather active enquiry that is being experienced for this material. We quote: "Queen's Head," No. 28, \$4 to \$4.15, and "Comet," \$3.75.

INGOT COPPER—Orders for jobbing lots have been more numerous, while the price is steady at 13c.

SHEET COPPER—There is a fair enquiry for this material. We quote: 16-oz. at 16c., and 14-oz. at 17c.; tinned copper, 16-oz., 18c.; 14-oz., 18½c.; planished 14-oz., 24c.

INGOT TIN—There has been a good enquiry for tin, and values are firm. We quote Straits 17½c., and Lamb and Flag 18c.

PIG LEAD—Without change, prices being firmly held at \$3.70 to \$3.80.

IRON PIPE—Jobbers have advanced prices here, as a result of the rise across the line, but local makers are still filling orders on the old basis. We quote the new range: Black pipe, ¼-inch, ⅜-inch, and ½-inch, \$2.25; ¾-inch, \$2.70; 1-inch, \$3.75; 1¼-inch, \$4.90; 1½-inch, \$6.40, and 2-inch, \$8.70. Galvanized, ½-inch, \$3.95; ¾-inch, \$4.80; 1-inch, \$6.65; 1¼-inch, \$9.15; 1½-inch, \$11.75, and 2-inch, \$16.

LEAD PIPE—The makers did not alter prices at their meeting this week, and quotations are unchanged: Ordinary pipe, 7c., and composition waste, 7½c., with 25 per cent. discount.

CANADA PLATES—There is a good demand for these, but prices are somewhat easier here this week, as the result of recent arrivals of fresh material. We quote: 52's \$2.15; 60's \$2.30, and 75's \$2.35. Full polished, \$3. Galvanized Canada plate, 52's, \$3.75.

TIN PLATE—Prices of these are steadily held, while enquiry has been fairly active. We quote as follows: Coke, I. C., \$2.90 to \$3.25; charcoal, I. C., Allaway or Comet brands, \$3.25; do, I. X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I. C., \$3.95; do, I. X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Steadily held, with a fair demand at \$6 to \$6.25.

COIL CHAIN—Jobbers are having some trouble regarding deliveries of this line, but have sufficient stock to accommodate the demand. We quote: ¼-inch, \$5; 5-16, \$3.50; ⅜, \$3.25; 7-16, \$3.15; ½-inch, \$3, and ⅝ up, \$2.85.

SHEET ZINC—Prices are steady at 6¼ to 6½c.

SOLDER—Quiet, but firm, at 12¼c.

ANTIMONY—demand is fair, and prices have been shaded a trifle from last week's basis. We quote 9¼ to 9½c.

SPELTER—Unchanged, but stiff, at \$5.50 to \$6.

GLASS.

The window glass market is strong, and another advance in prices is fully expected, possibly before the opening of next week. We quote: First break, \$1.60; second, \$1.70 per 50 feet; first break per 100 feet, \$3.50; second, \$3.75; third, \$4; fourth, \$4.50; fifth, \$5.

PAINTS AND OILS.

The fall trade is slowly opening up and a good business is looked for during the next six weeks, until close of summer freight rates. Prices of paints continue firm, in response to the high price of lead, and the continued advance in the value of zinc. Linseed oil is cabled at an advance of 7s. 6d. per ton over last week, and we append the revised quotations fixed by the local association. In turpentine no change in quotations is reported, but there is a firm feeling, owing to uncertainty as to the effect on stock and production of the recent tornado. Prices of zinc paint are altered to the basis of 7c., that being now the ruling figure for best quality.

WHITE LEAD—Best brands, Government standard, \$5.62½; No. 1, \$5.25; No. 2, \$4.87½; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4½c.; kegs, 4¾c.; No. 1, casks, 4¼c.; kegs, 4½c.

WHITE ZINC PAINT—Pure, 7c.; No. 1, 6¼c.; No. 2, 5½c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 50c.; boiled, 53c., two to four-barrel lots one cent less, five to nine-barrel, 2c. less, ten to nineteen, 4c. less, and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 47c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8¼ to 8½c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4½ to 5½c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

Continue steady and in good demand, both from local and American buyers. We quote: Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3., 7c. Lambskins, 65 to 70c.

MONTREAL NOTES.

The basis of value on zinc paints has been advanced 1c. all round.

Another advance in window glass is predicted before the end of the following week.

Prices on antimony have been shaded here this week about ¼c. for jobbing and round lots.

The jobbing price of both black and galvanized iron pipe has been advanced in this market.

Values on Canada plates are somewhat easier this week, as the result of better assorted stocks.

Linseed oil, in small and large lots, is quoted 1c. higher this week, as a result of continued firmness abroad. This is a rise of 2c. in the fortnight.

OAKEY'S

'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

Portland Cements

Best German, English and Belgian Brands

Calced Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

HEADQUARTERS for BOILERS

Galvanized Range Boilers

"Reliance" } HIGH-CLASS
"Ronald's" } AMERICAN
BOILERS.

Copper Boilers

Radiators, Iron Pipe, Fittings

WRITE FOR PRICES.



ONTARIO LEAD AND
WIRE CO., Limited

TORONTO

WAREHOUSE,

55, 57, 59 Richmond St. East.

OFFICE, 54, 56 Lombard St.

Telephones 1092, 763.

ONTARIO MARKETS.

TORONTO, Oct. 7, 1898.

HARDWARE.

THE most interesting feature of local trade circles during the week is the retirement of M. & L. Samuel, Benjamin & Co. from the shelf hardware trade, with a view to devoting their energies to metals. Trade generally is keeping fairly brisk, and prices steady. Wire nails is about the only line in which complaints are heard in regard to prices. Hay-baling wire is going out, and some inquiry is heard for oiled and annealed fencing wire. Manilla hemp is firmer, but no change has been made in rope. Skates are going out well, and a shortage is already beginning to be experienced in certain sizes. Enamelled ware is in active demand, and a good trade is reported in tin stove furniture, coal hods, stove boards, etc. The stove and furnace manufacturers are exceptionally busy. In payments, some renewals are being asked, but, on the whole, remittances are being fairly well met.

BARB WIRE—The reduction in the price four-point barb wire has created a demand which jobbers report to be somewhat in excess of the supply. We quote as follows: Four point, \$1.80 f.o.b. Toronto and London, and two point at \$1.90. Terms, 30 days or 2 per cent 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—There is a little enquiry for oiled and annealed fence wire, and a good business is being done in hay-baling wire. Discounts are: Annealed, oiled and annealed, 35 per cent.; galvanized, 30 per cent.; terms 4 months, or 3 per cent. 30 days; bright wire, 35 per cent.

WIRE NAILS—The wire nail situation is decidedly unpleasant as to price, although no further decline appears to have taken place. In the United States the nail market is strong. The demand in Canada is fairly good. The base figure is \$1.75 Toronto.

CUT NAILS—Scarcely anything doing. Prices are steady and unchanged. Base price \$1.75 Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—The demand is fair. Discounts are as follows: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—A fairly good business is being done at unchanged prices. We quote: Iron shoes, light, medium, and heavy, \$3.25 f. o. b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—Trade keeps steady. Discounts are: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent.

WE CAN SUPPLY YOU.

OF...

Crimped
Galvanized Ironwith any size
or gaugeMade from the best
American or English Sheets.

For CORNICE WORK

Mention quantity and gauge required when
sending specifications.

The METALLIC ROOFING CO., Limited

1179 King Street West, TORONTO

Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—Business continues good in nearly all lines. We quote: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¼c.; hexagon, 5¼c.

RIVETS AND BURRS—Trade continues much as before. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—Manilla hemp is firmer, chiefly owing to the statistical position and the briskness of the demand. Rope is firm at unchanged prices. There is practically no business being done, however. We quote as follows: Sisal, 7-16 in. and larger, 10½c.; ¾ in., 11c.; ¼ and 5-16 in., 11½c.; Manilla, 7-16 in. and larger, 11½c.; ¾ in., 12c.; ¼ and 5-16 in., 13c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—A fair business is being done. We quote: Rope halters, ¾ in., \$8.25 to \$8.50 per gross; ½ in., \$9.25 to \$9.50; ¾ in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—Business is fair. Discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—The improvement noted a week ago appears to have been maintained. We quote: "New Leader" "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BELTING—Business is fair. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

SPADES, SHOVELS AND GRAIN SCOOPS—Trade is fair. Discount 40 and 10 to 45 and 2½ per cent.

BUILDING PAPER—The improvement noted last week has been maintained. We quote as follows: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred; Northumberland plain, 30c.; ditto, tarred, 40c.; ditto, saturated, \$1.50 per 100 lb.; asbestos paper, 6½c. per lb.

SPORTING GOODS—Business is fairly good.

CUTLERY—A nice steady trade of a sorting-up nature is being done.

WARE—The demand for enamel ware is brisk. Such lines of tinware as appertain to stove furniture are in good demand.

FALL SPECIALTIES—Stove boards, coal hods and similar lines are in good demand.

CEMENT—The demand is quieting down somewhat, enabling dealers to catch up with orders. Prices continue firm. We quote in barrel lots as follows: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.50; Canadian hydraulic cements, \$1 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

METALS.

Galvanized iron is still receiving the most attention in the metal line, although Canada plates, tinplates, and copper are in fair request.

PIG IRON—The market in Ontario appears to be largely supplied by the Hamilton furnaces. We quote as follows: United States pig iron f. o. b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80. Hamilton iron, No. 1, in 100-ton lots, \$14. on track Toronto.

BAR IRON—There is still but little doing. We quote base price \$1.45 from stock, and \$1.35 from factory.

HOOP AND BAND IRON—The activity noted last week appears to have been maintained. We quote: Band iron, 1 to 6 inch, \$1.85 for Canadian and \$2 for imported; smaller sizes extra. Hoop iron, \$2.

SHEET STEEL—Very little doing. We quote as follows: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Practically nothing doing; nor has there been for some time. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—The activity previously noted continues good. We quote as follows: Queen's Head (case lots), 16 gauge, 3½c.; 18 to 24, \$3.87½c.; 26, W. G. 4½c.; 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, \$4; 26 gauge, \$3.75; 22 to 24 gauge, \$3.50. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are ¼c. per lb. higher than figures named.

INGOT COPPER—Business is now fairly good in this line. We quote: 12½c. per lb. for quantities and 13c. for small lots.

INGOT TIN—The market is firm and a fair trade has been done. We quote: Straits, 18½c. per lb.; Lamb and Flag, 19c. per lb.

SHEATHING COPPER, ETC.—A fair business is being done in braziers' and roofing copper. We quote: Sheathing copper, 16 to 17c., according to weight and quantity; braziers', 15½ to 17½c. per lb., according to gauge.

PIG LEAD—The market is dull. We quote: 4 to 4¼c. for imported and 3½c. for domestic.

IRON PIPE—Business continues fair. Black pipe, ¾ to 1¼ inch, should, last week, have been quoted at \$2.30. We quote as follows: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.30; ½ inch, \$2.25 to \$2.30; ¾ inch, \$2.70; 1 inch, \$3.75; 1¼ inch, \$4.95; 1½ inch, \$6.50; 2 inch, \$8.75. Galvanized, ½ inch, \$3.60, ¾ inch, \$4.35; 1 inch, \$6; 1¼ inch, \$8.50; 1½ inch, \$11.50; 2 inch, \$15.50.

RANGE BOILERS—We quote: Galvanized, 30 gals. \$5.25 to \$5.50; 35 gal., \$6.25 to \$6.50; 40 gal., \$7.25 to \$7.50; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 percent.

CANADA PLATES Are going out quite freely in sorting-up lots. Most of the

orders are for two or three box lots. We quote: Half-polished, 52-sheet boxes, \$2.35; ditto, 60-sheet boxes, \$2.40; dull, 75-sheet boxes, \$2.50; ditto, "Alaska," \$3.

TINPLATES—There are not a great many moving. We quote as follows: Cokes, \$3 to \$3.10 for 14x20; do., squares, \$3.15 to \$3.25; \$6.25 for 20x28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

COIL CHAIN—Quiet. We quote as follows: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ¾ in., \$2.80; ¾ in., \$2.75.

TINNED IRON—Still quiet. We quote as follows: In case lots for 22 to 24 gauge, and 2¾c. in lesser quantities; cut to size, 24 gauge, case lots, 4¾c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6¼c. for small lots.

SHEET ZINC—Just a moderate business is being done. We quote 6¼c. for cask lots and 6½c. for smaller quantities.

SOLDER—Quiet. Strictly half-and-half, 12½c.; small lots, 13c.; standard, 11½ to 12c. per lb.

ANTIMONY—Quiet. We quote: Cookson's, cask lots, 10½c.; smaller quantities, 11c.; other makes, 8½ to 9c.

ZINC SPELTER—Quiet. We quote 5¾c. for ton lots and 5½c. for small quantities.

PAINTS AND OILS.

Business has taken on its usual fall briskness, and the volume of trade now being done is fully up to the expectation of jobbers. Among the staples, oil is probably in the best demand, though there is considerable movement in turpentine and white lead. A net advance of ½c. has taken place in the south this week. Oil and lead are both firm. No change is noted on the local market. Varnishes are hardly as active as they have been, but there are a lot of dry colors going out. The demand for prepared paints has eased off somewhat, which is natural at this season. Trade in general sundries is brisk. We quote:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 2 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 49c.; boiled, 1 to 4 barrels, 52c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 48c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

A brisk trade is being done. There is a good demand for general sizes, but more especially for double diamond and for the larger sizes in star, such as are not imported by retailers with spring stock. A large amount of small factory and greenhouse glass is also being sold. On the whole sales are at present much greater than usual at this time. We quote as follows: First break in 50-foot boxes, \$1.70 and in 100-foot boxes, \$3.20; double diamond under 25 united inches, \$4.75. Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL.

An advance of ½ to ¾c. is noted for all grades of copper. Other goods are firm, though unchanged in price. We quote as follows: Agricultural scrap, 47½c. per cwt.; machinery cast, 55c. per cwt.; stove cast scrap, 32c.; No. 1 wrought scrap, 40 to 50c. per 100 lb.; No. 2, including sheet iron and hoop iron, 10½c.; new light scrap copper, 8c. per lb.; bottoms, 8¼c.; heavy copper, 8¼ to 8½c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2c.; scrap rubber, 3½ to 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—Stocks are well cleared up, and as the demand continues good prices are steady. We now quote: No. 1, 8½c.; No. 2, 7½c.; No. 3, 6½c.; cured, 9¼c.

KNOX HENRY.

Heavy Hardware and Metal Broker
Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—Don't forget "C" Horse Nails lead the market. Every nail guaranteed. Supply your blacksmiths with them and they will call on you again. Bolts, Tire and Stove, Rivets of all kinds. Horseshoes. Agent for Aircraft Screw Co.

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CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Shearlings and lambskins have advanced 5c., and are now steady at 65c.

WOOL—There is little doing. A decline of 1c. is noted for fleece, which is now quoted at 15c. Unwashed wool is unchanged at 10c.

SEEDS.

The chief interest, during the past week, has centered in alsike. Receipts have not been heavy, and local competition, for what has arrived, has been so brisk that prices have advanced 25c., and export orders are scarce. We quote at \$2.50 to \$4.25. Occasional lots of red clover have been received. For these, from \$3 to \$3.50 has been paid. There is practically no timothy offering locally.

PETROLEUM.

Prices are firm, but unchanged. The demand is brisk. We quote at Toronto: Canadian, 13½c.; Sarnia water white, 15½c.; American water white, 16½c.; Pratt's astral, 16c., in bulk.

COAL.

Though the demand continues active, dealers are able to fill orders better now than they have been, as it is not so difficult to secure cars for transportation. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

MARKET NOTES.

Scrap copper of all grades has advanced ¾c. per lb.

The manufacturers are meeting in Montreal this week, but, up to the time of going to press, no changes in prices are reported.

R. A. Baines, manufacturers' agent, has removed from 41 Scott street, to No. 39 on the same street, where he secures larger offices.


W. C. Crawford can give fine quality in hand shaved axe handles. He has now in stock about 5,000 dozen of this line, ready for polishing. Write him for prices.

MAKING SEAMLESS TUBING.

In answer to a correspondent, who wanted to know how seamless tubing is made The Metal Worker says: "In making seamless tubing powerful presses known as draw benches are used, operated by hydraulic machinery. A disk of the material from which the tubing is to be made is placed over a die in which there is a tapering opening. The plunger of the press is then brought against the disk and the metal drawn through the opening in the die as the plunger passes through it. This plunger is several sizes larger than the finished tubing is intended to be. After the first operation the tubing is annealed, when it goes through another press with a smaller die, and the process is continued until the tubing is of the size and thickness desired."

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HORSE BRUSHES, Wood Backs
STOVE BRUSHES

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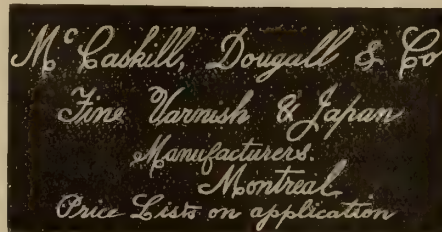
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an Upsetter; he wants a machine to upset
tires. Sell him one of ours.

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AUTOMATIC
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Weights 12 oz. Rebounding lock. 32
caliber. 5 shot.Made with shorter barrel for bicycle
use.

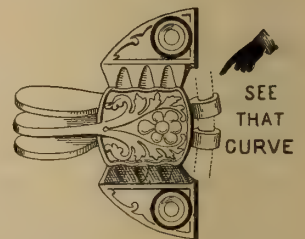
The most perfect small pistol made.

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Arms Co.**Manufacturers of
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"The Rod of the Cooke Sash Lock is straight."

"The Holes in the lugs are never in line except
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hand leaves the thumb pieces, the sash
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Seine Twine, Hammocks, Tennis
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Plough Lines, etc.**HUTCHISON, SHURLY & DERRETT**

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Genuine Mottled Gray.

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We would also draw attention to the Steel Handle shown on Tea-pot in cut, which is firmly rivetted on to stay, is cool and neat. Write for catalogue.

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SCHULTZE HARD GRAIN

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About Horse-Shoe Nails:—

It is a matter of considerable importance to every purchaser or consumer of horse-shoe nails, that the best only shall be procured. It does not make so much difference with other nails, which are driven in wood. But with horse nails, as they are only used to attach a shoe to a horse's foot, which is a sensitive, vital structure, it is most important that the nails used should be perfect in every respect; of the best material and pattern, and free from "splits" or liability to fracture, etc. One imperfect nail, badly driven, may result in permanent disability or lameness to a horse. It is false economy, and poor buying, to take any risk when you can avoid it.

Our "C" brand horse nails have been manufactured and sold in Canada since 1865,—a period of 32 years. They have been, and are still, the standard horse nails of Canada for quality and pattern, and are without a superior anywhere. We use only the best selected Swedish (Norway) charcoal iron rolled nail rods; the best material known for the purpose. These rods are hot forged by machinery, which gives all the advantage of the old-fashioned hand-hammered process, but with greater uniformity. After being pointed and finished by patented machinery, used only in our works in Canada, they are all further examined singly by hand, and every nail not up to our high standard for "C" brand, is thrown out for scrap or "culls." Every horse shoe nail we sell under our "C" brand is warranted perfect and ready for immediate use. They will be replaced free of charge if found otherwise to any purchaser. If the dealer from whom you usually purchase cannot, or will not supply you with our nails, write us direct and we will give your name to nearest dealers who will supply the "C" brand. Samples and price lists furnished on application.

CANADA HORSE NAIL COMPANY

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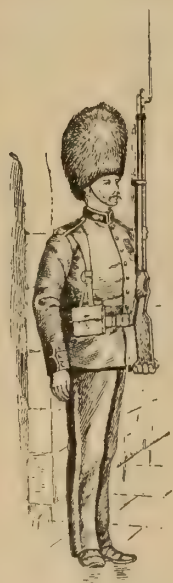


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For Prices, write at once to

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MONTREAL

HOW TO LETTER ON CANVAS.

THE art of lettering on canvas is, to the beginner, difficult, says Carriage Monthly. Blotting, running of color in the canvas, and the difficulty of applying the paint, or the formation of letters, are more than enough to dishearten first efforts. It is necessary to go about lettering in the right way. The painter who is accustomed to handling the brush, will soon get the knack of lettering on canvas. The characters of letters, the form, the proportion as to width, length and spacing, commonly known as laying out, are all important matters, and must not be lost sight of. If a job of lettering is poorly designed, it may be done ever so well, but it will have one fault, that of rigidity. It takes time, patience, and self-confidence, to give gracefulness to the curves. A job on canvas calls for a sponge, bucket of water, bristle brushes, colored crayon, and palette. The paint to be used should always be ground in oil, with sufficient japan to ensure drying. It should be less liquid than that applied to the work.

The first thing, after properly stretching the canvas, is the line spacing for the letter designed. Saturate thoroughly with a sponge and clean water. Use a small, flat, long-handled, bristle tool, which can be had in any paint store. A free, off-hand stroke is right, and the brush must not be overcharged with color. A cleaner edge on the letter may be had with care in filling the pencil. This prevents dropping of paint from the heel of the pencil, which, by falling on the canvas, mars the effect of the finish. Keep the canvass wet under the brush or pencil, or the color will act as ink does on a pine board, in the running of color into the grain. This treatment will give the painter a safe and reliable method of canvas lettering, and is worth a trial.

NEW STORE IN RIDGEVILLE.

Frank C. Williams, Waterford, Ont., has purchased the business of J. E. Klager, general merchant, Ridgeville, Ont. Mr. Williams is an experienced business man. He was employed for some time with F. Kingsman, Fonthill, and more recently with S. L. Squire, Waterford. He intends enlarging the capacity of the business he has acquired by adding a further stock of groceries, dry goods, hardware, boots and shoes, wall paper, patent medicines, stationery, etc. The store is at present being remodeled and repainted. When this is finished it will be opened out as Ridgeville's new store, with a new stock and a new proprietor.

CANADIAN HARDWARE AND METAL wishes Mr. Williams success in his undertaking.

STANDARD TOOLS.

When placing orders for Edge Tools and Axes always specify "**Warnock's.**"

EVERY TOOL GUARANTEED.

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THE FAVORITE

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and is the best low-priced rifle made. Highest quality of work. Accuracy guaranteed. Weight, 4½ lbs.

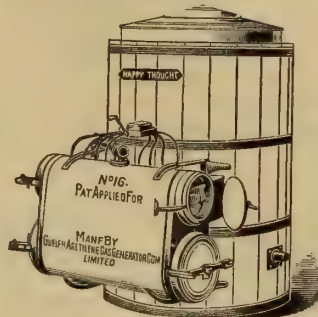
No. 17, Plain Sights—List \$ 8.00
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HEATING AND PLUMBING

DANGER OF INTERCEPTING TRAPS.*

By J. W. HUGHES, Montreal.

At the meeting of our association held last year, a paper from my pen was read, in which the fitting of the intercepting trap in private sewers was condemned, and reasons given for such condemnation. My study and observation during the time that has since elapsed have fully confirmed and strengthened the opinions then set forth, and I am indebted to an able paper by W. M. Watson, in a recent issue of The Canadian Engineer, for results of a series of experiments bearing upon this question, conducted in the city of Cologne, Germany.

The city fathers of that place, finding their by laws, which were up-to-date, and called for an

ELABORATE SYSTEM OF BACK VENTS,

intercepting traps, fresh air inlets and the usual accompaniments, had not given the expected results, appointed a committee to investigate, and associated with it Herr Maniewski, the leading architect, and Herr Unna, the famed sanitary engineer. These gentlemen went thoroughly into the question, erected complete apparatus with glass pipes for practical demonstration, investigated the condition of existing apparatus in daily use, and, in short, gave the matter that careful and painstaking attention so characteristic of the German. Their report has been published in detail in Nos. 4 and 5 of The Gesundheits Ingenieur for 1898, and been republished in English papers.

I can only give brief extracts taken from W. M. Watson's paper, bearing more particularly on the question of the

INTERCEPTING TRAP,

although the results of the experiments, bearing upon the question of back vents, are of equal importance, and may be taken up at a future time. It was shown that when a main intercepting trap was used that it not only modified the speed and partly obstructed the flow of sewage, but it prevented any of the air carried down by the soil and other waste water pipes from discharging into the street sewer, where its

AERATING FUNCTIONS

are so necessary to commence the purification of the sewage in the drains and assisting in preventing sewer gasses generating in the sewers. It was also shown that when the main intercepting trap is omitted there is a superior and self-cleansing flow of sewage, and that large volumes of air pass forward to the street sewer, creating a healthy atmosphere, and circulation of air down the soil pipe through which the fluid is passing and up other soil pipes that are at the time standing idle.

These experiments, especially those that show air is carried down with waste waters, and that the main trap is a dangerous obstruction, fully explain the reasons why those towns that do not use back air pipes, and that extend their soil pipes from the crown of the drains to the highest point of the roof, and which make every rain water leader and waste water pipe to pass to the street sewer without any

OBSTRUCTING TRAP

or sharp angle of interceptions of any kind, are almost free from odors in the houses and streets

and free from diseases that can be traced to sewer gas poisoning, while, on the other hand, those cities which have adopted the principle of intercepting traps, back air ventilation pipes, with all their intricate complications, are often quite the reverse; and of disease, a great deal is found among the inhabitants who happen to live in the modern built houses, where the obstruction system has been installed. This is in spite of the fact that the same towns often spend large sums of money in flushing drains and artificially ventilating the street sewers, a thing which is never necessary if the sewers are laid down properly and the straight unobstructed system is adopted.

The city of Cologne has now had enough of the complicated system of plumbing and draining, and, in future, will avoid such expensive luxuries, and again allow their sewage water to leave inhabited premises, with as much expedition as possible, and secure all the aeration it can, through the journey to the outfall, without making itself a nuisance to the public.

The Cologne investigation has bearing on sewage purification. It will be remembered, more than twenty years ago, Dr. Pasteur, of Paris, and Dr. Warrington, declared that sewage contained the necessary organisms for its own purification.

Dibdin, of London, England, has shown us the way to compel sewage to clean and purify itself. Adney, of Dublin, has proved that

DOMESTIC SEWAGE

requires three times its own bulk of air, regularly and evenly supplied, and distributed to every particle or atom of the sewage to enable the friendly bacteria to destroy the poison, etc., the sewage contains. Lowlock, of Birmingham, has shown us a method of applying the atmospheric air to the sewage, and Reid, of Staffordshire, recommends that all sewage should be purified while fresh, before putrefaction sets in, or sewer gas begins to generate. The fathers of Cologne have shown us, by their experiments, that the sewage will split up with fine threads, and spray and take up atmospheric air in larger quantities even than, Adney tells us, is needed, during the time it is falling vertically down the waste pipes.

If all house rain water leaders and waste water pipes were made to form

STREET SEWER VENTILATORS,

and the water coming down each of the pipes will

bring down four times its own bulk of air, which will go a long way towards providing all the air that is needed to do the necessary work of cleaning the sewage, and, in that case, the public sewer will be changed from a gas generating chamber to a receptacle for the aeration and purification of sewage and dirty filters, in that case they should be harmless.

While under obstructive plumbing by-laws, and private drain arrangement of interception traps, no aeration of the sewers can take place, therefore, putrefaction sets up, and the sewage gas is generated abundantly, which poisons the dwellings and the atmosphere of densely populated towns. The Cologne investigation has demonstrated that most sanitary appliances can, and ought to be, made of glass.

I have quoted so copiously from Mr. Watson's paper, as he has put the matter much better than I could, in confirmation of the objections I gave against the intercepting trap in last year's paper.

PLUMBING AND HEATING CONTRACTS.

The Bennett & Wright Co., of Toronto, Limited, have secured the contracts for plumbing and heating of the new factory for The Gale Manufacturing Co., and for the new plumbing and heating apparatus in the Salvation Army Temple, Toronto.

The John Ritchie Plumbing and Heating Co., Limited, are placing a complete system of Grennell sprinklers in The Canadian Oiled Clothing Company's new factory, at the corner of Jefferson avenue and King street.

PLUMBING EXAMINATIONS IN VANCOUVER.

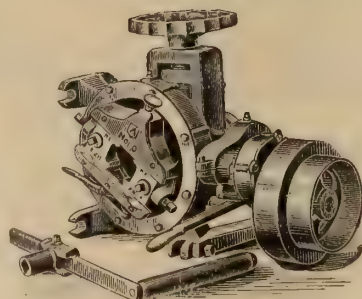
The plumbing examinations began last evening, when the following wrote on the theory of plumbing: H. McQuarrie, W. Blackmore, J. Scott, A. Patton, J. Moran, S. Mortimore, W. Braden, J. Hunt, O. Laursen and C. A. Green. The board of examiners consists of the city engineer, the plumbing inspector and S. A. Wye. A further examination in practical work will be held on Saturday.—The Province, Vancouver, Sept. 29.

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(Hand or Power)

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

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No. 0 Threading Machine, with power attachment.

THE ARMSTRONG MFG. CO.

New York Office:
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Bridgeport, Conn.

*Paper read at the annual meeting of the American Public Health Association, held at Ottawa.

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Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

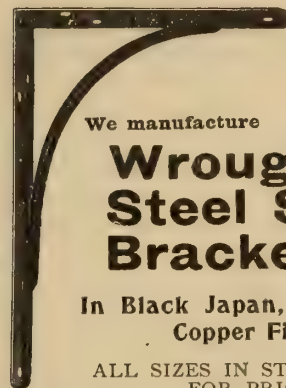
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 Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

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 Wholesale trade only.

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SUPPLIES**Manufacturers of
first quality only.**THE JAS. MORRISON BRASS MFG. CO.**
TORONTO Limited

We manufacture

**Wrought
Steel Shelf
Brackets**In Black Japan, Nickel and
Copper Finish.ALL SIZES IN STOCK. SEND
FOR PRICES.**H. R. IVES & CO., Montreal.****HEADQUARTERS** for

Syracuse Babbit Metal, Plumbers' and Tin-
 smiths' Solder, Pig Tin, Pig Lead, Ingot Copper,
 Ingot Brass, Phosphor Tin and Aluminum.

SYRACUSE SMELTING WORKSFactory: **332 William Street**
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All kinds Scrap Metal taken in exchange.

Factory: **SYRACUSE, N.Y.****ACETYLENE GAS FITTINGS**

We have the largest supply in Canada on hand of

*Pipe, Fittings,**For Acetylene Gas**Brackets,**Get us to quote you**Burners, Etc.***Mechanics Supply Co.**

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QUEBEC

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REPORT ON DRAINAGE, PLUMBING AND VENTILATION.

THE following is the report of the committee on sanitation, with special reference to drainage, plumbing and ventilation of public and private buildings, read by J. W. Hughes, chairman of the committee, at the annual meeting of the American Health Association, held in Ottawa. The report said :

From such information as has been obtainable from the large field covered by your committee, we are justified in reporting an increased interest in all matters relating to what may be termed practical sanitation, or the carrying out, in actual work, of the theories and plans of the advanced thinkers and experimenters in sanitary science. The work of our association and kindred organizations, as well as the untiring efforts of individual sanitarians in the past, has resulted in awakening an active inquiry and interest, and there is no longer heard the scoffing remark and sneering insinuation when an improvement is suggested that involves a pecuniary outlay. This is especially noticeable in the plumbing department of our work. We are of opinion that there is a tendency, in some cases, to rush from an extreme apathy and do-nothing policy to one of too great an elaboration and complication in the carrying out and planning of plumbing apparatus ; safety, effectiveness and simplicity are the requirements. Sewers, public and private, are, to-day, better constructed and more carefully planned than in the past, but the question of the best method for the disposal of sewage has yet to be solved, and is becoming of more pressing importance every day. That our great towns and other centres of population can continue to use the

rivers and streams as public sewers, without serious danger to the public health, goes without saying. We are pleased to note an increased and practical interest in the question of the disposal of sewage by means of irrigation farms and other plans than that of running it into the streams.

The ventilation of the public buildings is receiving the attention that its importance merits ; the introduction of the power fan, combined with the developments of cheap electrical force, has opened up a large field of possibilities ; whether the effectual ventilation of private buildings and dwellings will receive its solution from this source is a question. The greatest objection to the introduction of a system of ventilation into a private building, that will at all approach the necessities of the case, especially in northern climates, is the greatly increased cost of fuel. Fresh air cannot be introduced, warmed and expelled at the rate required for an apparatus that will be even approximately effective without a largely increased fuel bill. The question of effective and economical ventilation of dwellings is one presenting many difficulties and large profits to the inventor who can solve it.

BUILDING PERMITS IN TORONTO.

Permits have been issued in Toronto to The Toronto Carpet Manufacturing Co., for a four-storey factory at the corner of Fraser avenue and King street, to cost \$50,000 ; to John Johnston, for two stores and residences, at the corner of Yonge street and Bismarck avenue, to cost \$4,000 ; to A. B. Willmott, for a two-storey and attic brick residence at 25 Admiral road, to cost \$3,000 ; to Wm. Wright, for two semi-detached brick residences on Brunswick avenue, to

cost \$5,600 ; to the trustees of St. Clement church, for a one-storey roughcast church on Brooklyn avenue, 150 feet north of Queen street, to cost \$2,000.

HEATING AND PLUMBING CONTRACTS.

Alex. McKay, Montreal, has the heating and plumbing of four houses at Lachine belonging to Mr. Dow.

Lesperance & Terriault, Montreal, have the plumbing and heating of four cottages on Victoria avenue belonging to Mr. Deslaurier.

Lessard & Harris, Montreal, have the plumbing, heating and ventilation of the town hall, Westmount ; the plumbing, heating and roofing of 10 houses on St. Andre street, and the plumbing and heating of the public library at Westmount.

T. O'Connell, of Montreal, has the contract for the plumbing, heating and ventilating a house for B. Tansey ; the plumbing, heating and ventilating a factory for J. H. Burland & Co. ; also the plumbing, heating and ventilating the addition to St. Ann's hall.

NO OFFICIAL REPRESENTATIVE.

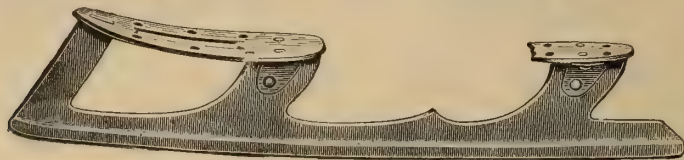
The Montreal city council did not make any provision for any of the health officials, or the plumbing inspectors, to attend the convention at Ottawa, and, as a consequence, no one, so far as can be learned at the health department, officially represented the city of Montreal.



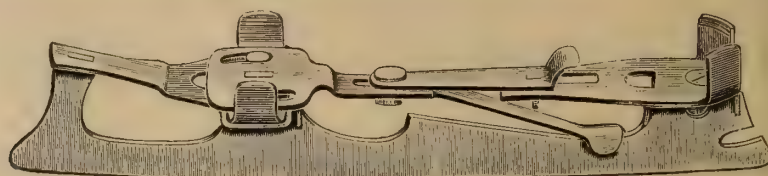
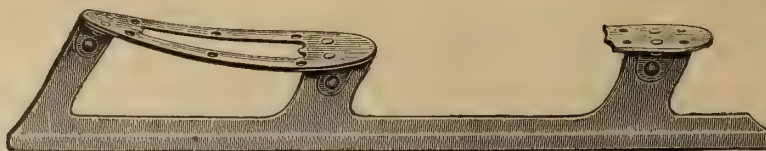
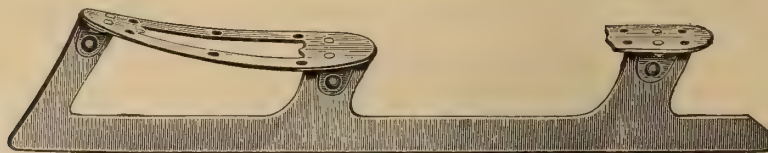
Frothingham & Workman

MONTREAL

have received for coming season
a complete stock of



MULLER'S
celebrated
SKATES



If not already received,
write for our

CATALOGUE.

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

MONTREAL, QUE.

WM. B. STEWART, Agent, 20 Front Street East, TORONTO.

Tel. 94.

Joseph Rodgers & Sons, Limited

CUTLERS TO HER MAJESTY

Please see that this EXACT MARK is on each blade.

Upheld by injunction in the Court of Chancery.

SOLE AGENTS FOR CANADA,

JAMES HUTTON & CO., MONTREAL

CURRENT MARKET QUOTATIONS.



October 7, 1895
These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.	
Lamb and Flag—	
56 and 28 lb. ingots, per lb.	0 00 0 19
Straits	0 00 0 18½

Tin Plates.

Charcoal Plates—Bright.	
M.L.S., equal to Bradley.	Per box.
I.C., usual sizes	\$5 00
I.X., "	6 25
I.X.X., "	7 50
J.R. & Co.—	
I.C.	4 75 5 00
I.X.	6 00 6 25
I.X.X.	7 25 7 50
Famous—	
I.C.	5 00
I.X.	6 25
I.X.X.	7 50

Raven & Vulture Grades—	
I.C., usual sizes	3 50
I.X., "	4 25
I.X.X., "	5 00
I.X.X., "	5 75
D.C., 12½x17	3 00
D.X., "	3 75
D.X.X., "	5 75

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.	
Bessemer Steel—	
I.C., usual sizes	3 00
I.C., special sizes, base	3 15
20x28	6 00 6 25

Charcoal Plates—Terne.	
Dean or J. G. Grade—	
I.C., 20x28, 112 sheets	6 00
I.X., Terne Tin	7 50
I.C., Orion	6 00
I.X., Orion	7 25 7 50

Charcoal Tin Boiler Plates.	
Cookley Grade—	
A.X., 14x56, 50 sheet bxs	Per lb.
" 14x60	0 05½ 0 06
" 14x65, "	0 05½ 0 06

Tinned Sheets.	
72x30 up to 24 gauge	0 05½ 0 06
" 26	0 06¼ 0 06½
" 28	0 07 0 07½

Iron and Steel.

Base Price	
Common Bar, per 100 lbs	1 45
" from factory "	1 35 1 45
Refined "	1 80
Horse Shoe "	1 80
Band "	1 85 2 00
Hoop "	4 00
Swedish "	4 25
Sleigh Shoe Steel	2 50
Tire Steel	2 50
Machinery	2 50 2 75
Cast Steel, per lb	0 10 0 14
Thos. Firth & Sons' Cast Steel	0 12 0 14
Russian Sheet, per lb	0 10½ 0 11
Tank Plates, 1-5 and thicker	2 00 2 25
Boiler Rivets	4 50 5 00

Boiler Tubes.

1½-inch	0 06½
2 "	0 07½
2½ "	0 09¼
3-inch	0 11

Steel Boiler Plate.

3-16 inch	2 00
"	1 90

¾ inch and thicker

Sheet Iron.

16 gauge and heavier	2 50 2 70
18 to 20 gauge	2 25 2 50
22 to 24 "	2 25 2 35
26 "	2 35 2 45
28 "	2 45 2 55

Canada Plates.

All dull, 52 sheets	2 25
Half polished	2 35
All bright	3 00

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ¾ inch, \$2.31; ½ inch, \$2.23 to \$2.31; ¾ inch, \$2.70; 1 inch, \$3.75; 1½ inch, \$4.95; 2 inch, \$5.51; 2½ inch, \$8.51 to \$8.85.	
Galvanized, ½ inch, \$3.87½; ¾ inch, \$4.75; 1 inch, \$5.75; 1½ inch, \$9.00; 2 inch, \$11.50; 2½ inch, \$15.12½.	
Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p. c.	

Galvanized Iron.

Gordon		Queens	
Comet.		Crown.	
Head.			
16 gauge	3 75	3 75	
18 to 24 gauge	3 25 3 50	4 00	
26 "	3 50 3 75	4 25	
28 "	3 75 4 00	4 50	

Chain.

Proof Coil, 3-16 in., per 100 lbs	25
" ¼ " "	4 65
" 5-16 " "	3 75
" ¾ " "	3 25
" 7-16 " "	2 85
" ½ " "	2 75
" 3/8 " "	2 63
Trace, per doz. pairs	3 60 5 90
Jack chain, iron, single, per doz. yards	0 13 0 50
Jack chain, double, per doz. yards	0 15
Jack chain, brass, single, per doz. yards	20 10

Copper.

Ingot.	
English B. S., ton lots	0 12¾ 0 13
Lake Superior	

Bolt or Bar.	
Cut lengths, round, ½ to ¾ in. round and square	0 20 0 22
NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.	
Planished and tinned, 14x48 and 14x60	0 25 0 27

Sheet.	
Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 16 0 17
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 16 0 17½
NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.	
Planished and tinned, 14x48 and 14x60	0 25 0 27
Braziers. (In sheets.)	
4x6 ft. 25 to 30 lb. ea., per lb.	0 17
" 35 to 45 "	0 16½
" 50-lb. and above, "	0 16
Boiler and T. K. Pitts.	
Plain Tinned, per lb	0 21
Spun, per lb.	0 25

Wire.

Pure, in coils—	
From 1 to 20 gauge, 12½ p.c. off list.	
From 20 gauge up, 12½ p.c. off list.	

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 30 p.c. off list.	
Sheets, hard-rolled, 2x4	18 0 20
Tubing, base, per lb.	0 20 0 22

Zinc Spelter.

Foreign, per lb	0 05½ 0 05¾
Domestic "	0 04¼ 0 04½

Zinc Sheet.

5 cwt. casks	0 06¼
Part casks	0 06½

Lead.

Imported Pig, per lb	4 to 4½
Domestic, per lb	0 03½
Bar, 1 lb.	0 05
Sheets, 2½ lbs. sq. ft., by roll.	0 05½ 0 06
Sheets, 3 to 6 lbs., per sq. ft., by roll.	0 05 0 05½
NOTE.—Cut sheets ½ cent per lb. extra. Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 25 per cent. discount.	
NOTE.—Cut lengths, net price, waste pipe, in 8-ft. lengths, lists at 7½ cents.	

Solder.

	Per lb.	Per lb.
Bar half-and-half	0 12	0 13
Standard		0 12
Wire		0 12

NOTE.—Prices of this graded according to quantity. The prices of other qualities of solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb	0 10½ 0 11
Other makes, per lb.	0 08 0 08½

White Lead.

Per cwt.	
Pure, Assoc. guarantee, ground in oil, 25 lb. irons	5 75
No. 1 do	5 37½
No. 2 do	5 00
No. 3 do	4 63½
No. 4 do	4 25
Munro's Select Flake White	6 00
Elephant and Decorators' Pure	5 75
Brandram's B. B. Genuine	7 75
James genuine	7 00
" No. 1	6 45

White Zinc Paint.

Pure White Zinc	0 07
Pure White Zinc	0 07
No. 1	0 06¼
No. 2	0 05½

Dry White Lead.

Pure, casks	0 04½
Pure, kegs	0 04½
No. 1, casks	0 04½
No. 1, kegs	0 04½

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)	
Pure, per gallon	1 00
Second qualities, per gallon	0 80
Barn (in bbls.)	0 70
The Sherwin-Williams Paints	1 20
Canada Paint Co's Pure	1 00 1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)	
Venetian Red, per lb	0 07
Chrome Yellow	0 11
Golden Ochre	0 06
French "	0 05
Marine Black	0 09
" Green	0 08
French Imperial Green	0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35 1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt	2 75
Yellow Ochre (Royal), per cwt	1 10 1 15
Brussels Ochre	2 00
Venetian Red (best), per cwt.	1 80 1 90
English Oxides, per cwt.	3 00 3 25
American Oxides, per cwt.	1 75 1 90
Canadian Oxides, per cwt.	1 75 1 90

Burnt Sienna, pure, per lb.	0 10
Umber, "	0 10
do. "	0 09
Drop Black, pure	0 08
Chrome Yellows, pure	0 18
Chrome Greens, pure, per lb.	0 12
Golden Ochre	0 03¾
Ultra marine Blue in 28-lb. boxes, per lb.	0 08 0 24
Fire Proof Mineral, per 100 lb.	1 00
Genuine Eng. Litharge, per lb.	0 07
Mortar Color, per 100 lb.	1 25
James' Gen. Red Lead, 100 lb.	0 04¼
Pure Indian Red, No. 45, lb.	0 08
Whiting, per 100 lb.	0 50

Paris Green.

Pure, in bbls.	0 16½
250 lb. casks	1 6½
50 lb. drums	17
1 lb. packages	18
¾ lb. "	19½
¼ lb. "	21½
1-lb. tins	0 18½

Sulphate of Copper.

Casks, for spraying, per lb.	0 04¼
100-lb. cases, do. per lb.	

Putty.

Bladders in bbls.	1 80
Bladders in 100 or 200 lb. kegs or bxs ..	1 95
Bulk in bbls., per 100	1 65
Bulk in less quantities	1 80
25-lb. tins, 4 in c.se.	2 05
12½-lb. tins, 8 in case	2 30
Quotations f.o.b. Toronto—10c. per 100 lb. extra Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.	

Varnishes.

(In bbls.)		per gal
Carriage, No. 1	.....	1 50
Extra do.	.....	2 50
Body Varnish	.....	4 50
Furniture Varnish	.....	0 85
Extra do.	.....	0 90
Demar Varnish	.....	1 60
Hard Oil Finish	.....	1 40
Orange Shellac Varnish	.....	2 00
White Shellac	.....	2 20
Rubbing Varnish	.....	2 50
Polishing Varnish	.....	2 50

Linseed Oil.

Raw, per gal. net	0 48
Boiled, per gal. net	0 51
Outside points 1c. more than above figures	

Turpentine.

1 to 4 barrels, net	0 47
Outside points 1c. more	

Castor Oil.

In cases, per lb	0 10½
Small lots	0 11½

Cod Oil, Etc.

Cod Oil, per gal.	0 50 0 55
Pure Olive	1 20
" Neatsfoot	90

Glue.

(In bbls.)			
Common	0 08½	0 09	
French Medal	0 12	0 12½	
Cabinet, sheet	0 11	0 12	
White, extra	0 16	0 18	
Gelatine	0 22	0 30	
Strip	0 16	0 18	
Coopers	0 19	0 20	
A1 clear		0 09	
Liquid Glue—F. LePage's, discount 20 to 25			
per cent off list; Munn's, discount 25 to 30			
per cent. off list.			

HARDWARE.

Ammunition.

Cartridges.	
R. B. Caps, Dom., 50 and 5 per cent.	
Rim Fire Pistol, dia. 45 p. c., Amer.	
Rim Fire Cartridges, Dom., 50 and 5 p. c.	
Rim Fire, Military, net list, Amer.	
Central Fire Pistol and Rifle, 18 p. Amer.	

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
 Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
 Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
 Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.

Canadian, common, 7½ per cent.
 Brass Shot Shells, 55 and 10 per cent.
 Primers, Dom., 30 per cent.
 Wads.

Best thick white felt wadding, in ½-lb bags, 1 00
 B. st thick brown or grey felt wads, in ½ lb. bags, 0 70
 Best thick white card wads, in boxes of 500 each, 12 and smaller gauges 0 99
 Best thick white card wads, in boxes of 500 each, 10 gauge 0 35
 Best thick white card wads, in boxes of 500 each, 8 gauge 0 55
 Thin card wads, in boxes of 1,000 each, 12 and smaller gauges 0 20
 Thin card wads, in boxes of 1,000 each, 10 gauge 0 25
 Thin card wads in boxes of 1,000 each 8 gauge
 Chemically prepared black edge grey cloth wads, in boxes of 250 each— Per M.
 11 and smaller gauge 0 60
 9 and 10 gauges 0 70
 7 and 8 gauges 0 90
 5 and 6 gauges 1 10
 Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
 11 and smaller gauge 1 15
 9 and 10 gauges 1 40
 7 and 8 gauges 1 65
 5 and 6 gauges 1 90

Anvils.
 Per lb. 0 10 0 12½
 Anvil and Vice combined, each 4 50
 Wilkinson & Co.'s Anvils, lb. 09 0 09½
 Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
 Gilmour's, discount 65 p.c. off revised list.
 Hollow Stearn's, per dozen 13 00 20 00
 Adjustable Stearn's, each 4 50 6 00
 Post-hole, Vaughan's, each 60 90
 Excelsior, Jennings', discount 50 per cent.

Awls.
 Sewing, per gross 0 65 1 59
 Pegging, " 0 65 1 25
 Brad, " 0 85 1 60
 " handled, per gross 3 60 30
 Saddler's, per gross 0 45 1 60

Awl Hafts.
 Patent Peg, per gross 7 25 8 00
 " Sewing, per gross
Awl and Tool Sets.
 Millar's Falls, per doz. 2 80 3 30

AXES.
 Splitting Axes 5 25 5 50
 Chopping Axes—
 Single List, per doz. 6 00 12 00
 Double List, " 11 00 18 00
 Bench Axes, 40 and 10 p.c.
Axle Grease.
 Per gross 6 00 23 00

Bath Tubs.
 Zinc, discount 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list
 Boxing extra

Anti-Friction Metal.
 "Tandem" A per lb. 0 19
 " B 0 16
 " C 0 10½
 Magnolia Anti-Friction Metal, per lb. 25
 No Name Metal, " 0 15
 Mystic Metal, " 0 10
 F. O. B. New York or Chicago.

Bells.
 Hand.
 Brass, 60 per cent.
 Nickel, 55 per cent.
 Door.
 Gongs Sargent's 5 50 8 00
 " Peterboro', discount 50 per cent.
 Cow.
 American make, discount 66½ per cent.
 Canadian, discount 45 and 50 per cent.

Bellows.
 American, each 1 25 3 00
 House.
 American, per 0 35 0 40

Belts.
 Hand, per doz. 3 35 4 75
 Moulders, per doz. 7 50 10 00
 Blacksmiths', discount 60 per cent.

Belted.
 Extra, 45 per cent.
 Standard, 45 and 10 per cent.
 Agricultural, 60 and 10 p.c.

Bench Stops.
 Per doz 5 00 6 00

Bits.
 Auger.
 Gilmour's, discount 65 and 5 per cent.
 Excelsior, discount 60 per cent.
 Rockford Common, 70 to 70 and 10 per cent.
 " Perfection, 50 and 10 per cent.
 Jennings', net list to 5 p.c. discount.
 Gilmour's, 47½ to 50 per cent.
 Expansive.
 Clark's 40 per cent.
 Excelsior, 10 per cent.

Gimlet.
 Clark's, per doz 0 65 0 90
 Diamond, Shell, per doz. 1 00 1 50
 Nail and Spike per gross 2 25 5 20
Blind Rollers.
 Annex, per doz 1 25 1 75
 Mascott, " 1 35 1 85
 Erminie, " 1 00 0 90

Blind and Bed Staples.
 All sizes, per lb 7½ 0 12

Bolts.
 Carriage, dis. 60 and 10 to 70 p.c.
 Tire, dis. 70 and 5 per cent.
 Stove dis. 70 per cent.
 Elevator, dis. 35 to 40 per cent
 Machine, dis. 70 p.c.
 Coach Screws, dis. 70 and 10 p.c.
 Plough bolts, 60 p.c

Boring Machines.
 Complete, with augers, each. 5 00 7 50
Braces.
 Barber's 6 00 7 75
 Barber's Ratchet 10 00 11 00
 Farmers 2 00 2 75
 Millar's Falls 15 50 29 00

Brackets.
 Shelf.
 Japanned Canadian, per doz. pairs 0 50 3 40
 Berlin Bronze Canadian 0 85 3 20

Broilers.
 Light, dis. 65 to 67½ per cent.
 Reversible, dis. 65 to 67½ per cent.
 Vegetable, per doz., dis. 37½ per cent.
 Venis, No. 8, 6 00
 Henis, No. 9, " 7 00
 Queen City, " 7 50 0 00

Butchers' Cleavers.
 German, per doz. 6 00 11 00
 American, per doz. 12 00 20 00

Butts.
 Brass.
 Wrought Brass, dis. 17½ p.c. revised list.
 Cast Iron.
 Loose Pin, dis. 70 per cent.

Wrought Steel.
 Fast Joint, dis. 70, 10 and 5 to 75 p.c.
 Loose Pins, dis. 70, 10 and 5 to 75 p.c.
 Berlin Bronzed, dis. 70, 70 and 5 per cent.
 Gen. Bronzed, per pair 0 40 0 65

Can Openers.
 Acme, per gross 9 00 10 00
 Sardine Scissors, per doz 3 75 4 50

Card.
 Horse, per doz. 0 60 1 00

Carpet Stretchers.
 American, per doz 1 00 1 50
 Bullards, per doz 6 50

Carpet Sweepers.
 Bissell, per doz 22 50
 World, " 21 75
 Daisy, " 24 00
 Star, " 18 00
 Crown Jewel, per doz 29 00
 Grand Rapids, " 24 00 33 00

Cartridges.
 (See Ammunition.)
Castors.
 Bed new list, dis. 55 to 57½ per cent.
 Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
 Nos 31 and 32, per gross 8 50 9 50

Cement.
 Canadian, Portland 2 50
 English 2 85
 Belgium 2 75
 Canadian hydraulic 1 20

Figures are for barrel lots.
Chalk.
 Carpenters Colored, per gross 0 45 0 75
 White lump, per cwt 0 60 0 65
 Red 0 05 0 06
 Crayon, per gross 0 14 0 18

Chisels.
 Socket, Framing and Firmer.
 American, dis. 75 per cent.
 Canadian, dis. 40 and 5 per cent.
 Tanged firmer, per doz 0 85 4 00
Churns.
 Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.
Clamps.
 Judds, dis. 20 per cent.
 Stearn's, per doz 3 00 10 00

Clips.
 Axle dis. 65 per cent.

Closets.
 Washout, plain 3 25
 " embossed 3 50

Coffee Mills.
 Box 3 60 13 00
 Side 3 60 4 00
 Enterprise, No. 0 1 35
 " No. 2 70

Compasses, Dividers, Etc.
 American, dis. 62½ to 65 per cent

Cradles, Grain.
 Canadian, dis. 20 per cent.
Dies.
 Hart Mfg. Co. (pipe es), (Amer. list), dis 40 per cent.
 Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
 Torrey's Rod, per doz. (15 p.c. 2 00
 Coil, per doz 0 88 1 60
 English per doz. 2 00 4 00

Draw Knives.
 American, dis. 70 and 10 per cent.
 Canadian, dis. 25, 50 and 10 per cent.

Drills.
 Hand and Breast
 Millar Falls, per doz. 16 00 51 50
 P. S. & W., dis. 40 per cent.

DRILL BIT.
 orse, dis. 37½ to 40 per cent.
 Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
 Stovepipe.
 Per doz 85 1 70

FAWCETS.
 Cork Lined, per doz. 0 30 0 35
 Wine, per doz. 1 30 3 25
 Star, " 2 80 3 90
 Fenn's Corkstops, No. 2, per dozen 1 70
 Petroleum, per doz. 4 50 6 50

FILES.
 Globe File Mfg. Co.'s dis., files, 30 and 10 to 70 per cent.
 Black Diamond, 60 and 10 to 60 per cent.
 Kearney & Foote, 60 and 10 to 60, 10, 10.

Nicholson File Co., 50 and 10 to 60 per cent.
 Jowitt's, English list, 25 to 27½ per cent.
 American, 60 to 60 and 5 per cent.
 Great Western, 60 and 10 per cent.
 Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.

FLUTING MACHINES.
 Each 0 60 2 00

FORKS.
 Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS
 Ice Cream.
 Gem from \$1.25 to \$7 net.
 White Mountain, 1 to 25 qt. 1 35 13 50
 Arctic, dis. 50 p.c.

FRUIT PRESSES.
 Henis, per doz. 3 25 3 50
 Shepard's Queen City, dis. 15 per cent.

FRY PANS.
 Acme, dis. 65 to 67½ per cent.

GAUGES.
 Marking, Mortise, Etc.
 Stanley's, dis. 50 to 55 per cent.

Wire Gauges.
 Winn's, Nos. 26 to 33, each, 1 65 2 40

GLASS.
 Window.
 Box Price.

Star.
 Double Diamond.
 Size Per Per Per
 United 50 ft. 100 ft. 100 ft.
 Inches.

Under 25 1 70 3 20 4 75
 26 to 40 1 85 3 50 5 25
 41 to 50 3 90 6 00
 51 to 60 4 20 6 75
 61 to 70 4 50 7 50
 71 to 80 4 90 8 50
 81 to 85 5 50 9 50
 86 to 90 6 50 11 25
 91 to 95 13 00
 96 to 100 15 00
 101 to 105 17 00
 106 to 110 21 60

GLUE POTS.
 Tinned, each 0 30
 Enamelled each 0 55

GRINDSTONE FIXTURES
 Per doz. 3 60 4 00

HALTERS.
 Rope, ¾ per gross 8 25 8 50
 " ½ " 9 25 9 50
 " ¼ " 11 00 11 25
 Leather, 1 in., per doz. 3 87½ 4 00
 " 1½ in., 5 15 5 25
 Web, — per doz. 1 87 2 40

HAMMERS.
 Nail
 Maydole's, dis. 5 to 10 per cent. Can., dis 25 to 27½ per cent.

Tack.
 Magnetic per doz. 1 10 1 20
 Canadian, per lb 0 07½ 0 08½

Sledge.
 Ball Pean.
 English and Can., per lb., 0 22 0 25

HANDLES.
 Axe, per doz., net, 1 50 2 00
 Store door, per doz. 1 00 1 50
 Chest, per doz. pairs 0 40 2 50

Chisel.
 Firmer, per gross 3 00 4 50
 Socket Firmer, per gross 3 25 8 00
 Socket Framing, per gross 3 75 5 00

Fork.
 C. & B., dis. 45 per cent. rev. list.

Hoe.
 C. & B., dis. 45 per cent. rev. list.

Saw.
 American, per doz. 1 00 1 25

Plane.
 American, per gross. 3 15 3 75
 Hammer and Hatchet.
 Canadian, 45 per cent.

Cross-Cut Saw.
 Canadian, per pair 0 13½ 0 20

HANGERS.
 Door, 4 and 5 inch, per pair. 0 40 0 50
 Lanes, 62½ per cent.

HATCHETS.
 Canadian, dis. 40 to 42½ per cent

HINGES.
 Blind, Parker's, dis. 60 and 10 to 65 per cent
 " Shepard's Noiseless, dis. 60 per cent.
 " Buffalo, dis. 60 to 70 p.c.

Light T and strap, 70 and 10 p.c.
 Heavy, per lb 0 03½ 0 04½
 Screw hook and hinge—
 6 to 12 in., per 100 lbs. 3 15
 14 in. up, per 100 lbs. 2 35

Screw, Eureka Per doz. set. 1 13 1 80
 Gate, Clark's 1 50 2 20
 " Shepard's, dis. 50 to 60 per cent.

Per gro. pair
 Spring 9 50
 " Shepard's Samson 1 20

HOES.
 Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
 Planter, per doz 4 00

HOOKS.
 Cast Iron.
 Bird Cage, per doz 0 50 1 10
 Clothes Line, per doz 0 27 0 63
 Harness, per doz 0 72 0 88
 Hat and Coat, per gross 1 00 3 00
 Chandelier, per doz 0 50 1 00

Wrought Iron.
 Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
 Hat and coat, dis. 60 to 60 and 10 p.c.
 Belt, per 1,000 0 60 0 70
 Screw, bright, dis. 65 and 10 per cent

HORSE NAILS
 "P.B.", dis. 50 p.c.
 "C" brand, 50 p.c. dis. } Oval head.
 "M" brand 50 p.c.
 Acadian, 50 and 20 p.c., countersunk head.

HORSE SHOES.
 Iron Shoes. F.O.B. Montreal F.O.B. Toronto*
 Light, medium, and heavy. 3 15 3 25
 Snow shoes 3 40 3 50

Steel Shoes.
 Light, all sizes 3 35 3 45
 Extra light 4 50 4 60
 Toe weight (steel) 5 50 5 60

*Also Hamilton, London, Guelph, St. John Halifax.
ICE PICKS.
 Star, per doz 3 00 3 25

KETTLES.
 Brass spun, 7½ p.c. dis. off new list.
 Copper, per lb. 0 30 35
 American, 60 and 10 to 65 and 5 p.c.

KEYS.
 Lock, Can., dis. 50 p.c.
 Cabinet, trunk, and padlock,
 Am. per gross 1 60

KNOBES.
 Door, japanned and N.P., per doz. 0 80
 Bronze, Berlin, per doz. 2 75 3 25
 Bronze, Genuine, " 6 00 9 00
 Shutter, porcelain, F. & L.
 screw per gross 1 30 4 00

KNIVES.
 Clauss, bread, cake, and paring knives, \$7.00
 doz. sets net. to 10 per cent.
 Christie, bread, cake, and paring knives, \$7.00
 doz. sets, with 10 p.c. off.
 Hay knives, spear point, L or T handle, 60
 10 and 5 per cent.
 Lightning, per doz. 6 50 8 40
 Heath's, \$7.75 net.

LADLES.
 Melting, per doz. 1 70 4 50

LEMON SQUEEZERS.
 Porcelain lined, per doz. 2 20 5 60
 Galvanized, " 1 87 3 85
 King, wood, " 2 75 2 90

King, glass, "	4 00	4 50
All glass	1 20	1 30
LINES.		
Fish, per gross	1 05	2 50
Chalk	1 90	7 40

LOCKS.		
Canadian, dis. 50 p.c.		
Russell & Erwin, per doz.....	1 75	7 50
Cabinet.		
Eagle, dis. 30 p.c.		

Padlock.		
English and Am., " per doz.....	50	6 00
Scandinavian, "	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.		
Iron and Brass.		
Flat head, discount 25 p.c.		
Round Head, discount 20 p.c.		

MALLETS.		
Tinsmiths', per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Ignum Vitae, per doz.....	3 85	5 00
Caulking, each	1 60	2 00

MATTOCKS.		
Canadian, per doz.....	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.		
American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.		
American, per doz.....	0 42	2 35

MOLASSES GATES.		
Stebbin's Patent, dis. per cent., 77½ per cent		

NAILS		
Quotations are:		
24. and 34f	Cut. \$2 75	Wire. \$2 75
34	2 40	2 40
4 and 5d	2 15	2 15
6 and 7d	2 05	2 05
8 and 9d	1 90	1 90
10 and 12d	1 85	1 85
16 and 20d	1 80	1 80
30, 40, 50 and 60d. (base).	1 75	1 75
Steel Cut Nails 10c. extra.		
Grades and finishing nails, special sizes, 80 p.c. from new list.		

NAIL PULLERS.		
German and American.....	1 85	3 50

NAIL SETS.		
Square, round, and octagon,		
per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.		
Poultry, 67½ per cent. for imported,		
55 per cent. for McMullen's.		

OIL.		
Canada refined oil (Toronto).....	0 14	
Carbon safety	0 16½	
American w. w. "	0 17½	
Pratt's Astral.....	0 17	

OILERS.		
McClary's Model galvan. oil		
can. with pump, 5 gal.,		
per doz.....	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.....	1 25	3 50
Brass,	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.		
Galvanized, per doz.....	1 85	3 00

PENCILS.		
Dixon's, per gross.....	1 00	4 25
" Carpenter.....	2 25	3 60

PICKS.		
Per doz	6 00	9 00

PICTURE NAILS.		
Porcelain head, per gross.....	1 40	3 00
Brass head,	0 40	1 00

PIPE CUTTING MACHINERY		
Forbes Patent Die Stocks.—Curtis & Curtis,		
Mrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to		
2 in. R. & L.	\$ 50 00	
No. 38 Hand Machine, range 1½		
to 4	100 00	
No. 58 Hand Machine, range 2½		
to 6	175 00	

PLANES.		
Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.		
Wood, fancy Canadian or American, 37½		
to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.		
Miscellaneous, dis. 25 to 27½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.		
English, per doz.....	2 00	5 00

PLIERS AND NIPPERS.		
Button's Genuine, per doz pairs, dis. 37½		
40 p.c.		
Button's Imitation, per doz.....	5 00	9 00
German, per doz.....	0 60	2 60

PLUMBS AND LEVELS.		
S. R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		

POPPERS.		
Corn, square, per doz.....	1 35	2 00

PRUNING SHEARS.		
Per doz.....	4 00	5 50

PULLEYS.		
Hothouse, per doz.....	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS		
Canadian cistern	1 40	2 25
Canadian pitcher spout.....	1 15	2 00

PUNCHES.		
Saddlers', per doz.....	1 00	1 85
Conductors',	9 00	15 00
Timbers' solid, per set.....	0 00	0 72
" hollow, per inch.....	0 00	1 00

RAIL.		
Barn door, per foot.....	0 02¼	0 02½
Sliding door, "	0 03¼	0 03½
Lanes,	0 02¼	

RAKES.		
Cast steel and malleable Canadian, list dis		
60 to 60, 10 and 5 p.c. revised list.		
Wood, 25 per cent.		

RASPS AND HORSE RASPS.		
New Nicholson horse rasp, discount 60 p.c.		
Globe File Co.'s rasps, 60 and 10 to 70 p.c.		
Toronto File Co.'s rasps, 60 and 10 to 70 p.c.		
Heller's Horse rasps, 50 to 50 and 5 p.c.		

RAZORS.		
Geo. Butler & Co.'s, per doz.....	8 00	18 00
Boker's,	7 50	11 00
Wade & Butcher's,	3 60	10 00
Arbenz's,	9 00	18 00
Theile & Quack's	7 00	12 00

RAZOR STROPS.		
Currier's, per doz.....	1 25	3 60

RIVETS AND BURRS.		
Carriage, Section, Wagon Box Rivets, etc.,		
(Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc.,		
(Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 63 and 5		
p.c.		
Copper Rivets & Burrs, 45 p.c. dis.		
in ½-lb. boxes and		
cartoons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.		
Canadian, dis. 35 to 37½ per cent.		

ROPE, ETC.		
7-16 in. and larger, per lb	Sisal. 10½	Manilla 11½
¾ in.	11	12
½ and 5-16 in.	11½	13
Cotton	13	13
Russia Deep Sea	14½	14½
Jute	6¾	7½
Lath Yarn	8¾	8¾
New Zealand Rope.....	9½	

RULES.		
Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.		
Mrs. Potts, per set.....	0 62½	1 00
" N.P., per set.....		90

SAD HEATERS.		
Dome, Shepard's, per doz.....	4 75	5 00

SAND AND EMERY PAPER.		
Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.....		

SASH CORD.		
Per lb.....	0 20	0 50

SASH LOCKS.		
Triumph and Morris, dis. 37½, 40 per cent.		
Kempshell's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.		
Sectional, per 100 lbs.....	1 40	1 75
Solid,		1 25

SAWS.		
Crosscut, McMillan & Haynes,		
per dozen	0 40	0 70
" Empire, McMillan & Haynes,		
per ft.....	0 70	
Hand, Disston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Disston's, per ft.....	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.....	0 75	2 75
frame only.....		0 75

SAW SETS.		
" Lincoln," McMillan &		
Haynes, per doz	6 00	7 50
Whiting	5 63	7 00

SCALES		
Gurney Scales, 50 p.c.		
B. S. & M. Scales, 50 p.c.		
Champion, 60 per cent.		
Fairbanks Standard, 45 p.c.		
" Dominion, 60 p.c.		
Richelieu, 60 p.c.		
Chatillon Spring Balances 25 p.c.		

SCRAPERS		
Box, per doz.....	2 10	4 50
Boot,	0 40	3 50

SCREENS.		
Door, patent, per doz.....	6 50	11 00
Window, per doz	2 60	2 75

SCREW DRIVERS		
Sargent's, per doz.....	65	4 00

SCREWS.		
Wood, F. H., iron, and steel, dis. 87½ p.c.		
Wood, R. H., " dis. 80 p.c.		
" F. H., brass, dis. 82½ p.c.		
Wood, E. H., " dis. 75 p.c.		
Drive Screws, 87½ per cent.		
Bench, wood, per doz.....	3 25	4 00
" iron,	4 25	5 75

SCYTHES.		
Discount, per doz. net.....	4 50	6 00

SCYTHE SNATHS.		
Canadian, dis. 50 p.c.		

SHEARS		
B. & W., jappanned, dis. 75 p.c.		
B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 60 p.c.		
Etna, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, jappanned, 80 p.c.		
N.P., dis. 70 p.c.		
lauss, full nickel, 60 p.c.		
jappanned handles, 67½ p.c. off.		
Seymour or Heinisch tailor shears, 15 p.c.		

SHEAVES.		
Sliding door, per set.....	0 77	1 40

SHOVELS AND SPADES.		
Canadian, dis. 40 and 10 to 45 and 2½ p.c.		

SIEVES.		
Wood rim, black, per doz.....	1 05	1 10
" tinned,	1 25	1 35
Tin rim, per doz.....	2 30	2 45
" black.....	1 85	2 25

SNAPS.		
Harness, German, dis. 35 to 37½ p.c.		
Acome	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.		
Per lb	0 25	

WROUGHT SPIKES.		
Discount, 35 to 40 per cent.		

SPOKE SHAVES.		
Wood, English	1 80	5 00
Iron, American.....	1 35	2 35

SPOONS AND FORKS.		
Tea spoons, per gross.....	7 50	12 00
Dessert,	21 00	00 00
Table,	30 00	00 00
Dessert Forks,	24 00	00 00
Medium	27 00	00 00
Table	36 00	00 00

SQUARES.		
Iron, per doz.....	1 65	2 90
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAPLES.		
Galvanized	2 00	
Bright.....	1 00	

SPOKE SHAVES.		
Wood, English	1 80	5 00

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays

10 cents

HARDWARE AND METAL, Toronto

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BUREAU . . .

Board of Trade, Montreal



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STRONG AND SURE.
WITH A FIRM AND
AMPLE BASE."
—Longfellow.

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WISH THUS TO BUILD
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CONTRACT-
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TORONTO
will bring you
tenders from the
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MERCANTILE AGENCY

THE BRADSTREET COMPANY,

Executive Offices Proprietors.

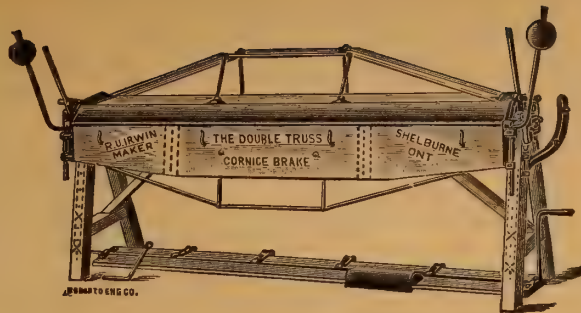
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Offices in the principal cities of the United States, Canada, the European Continent, Australia, and in London, England.

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McKinnon Building, Cor. Jordan and Melinda Sts.
THOS. C. IRVING, Superintendent



This eight-foot Brake bends 22-gauge iron and lighter, straight and true

Price, \$50

Very handy bender attachment, \$10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice
Brake Co. SHELBURNE, ONT.

It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

FULL LINE OF

WAREHOUSE (Portable or Dormant)
HOPPER SCALES

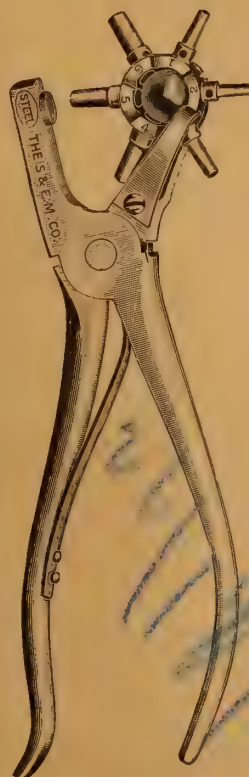
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WALTER GROSE, 30 St. Dizier St., Montreal, Que.

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Smith & Egge Manfg. Co.
BRIDGEPORT, CONN., U.S.A.

Manufacturers of

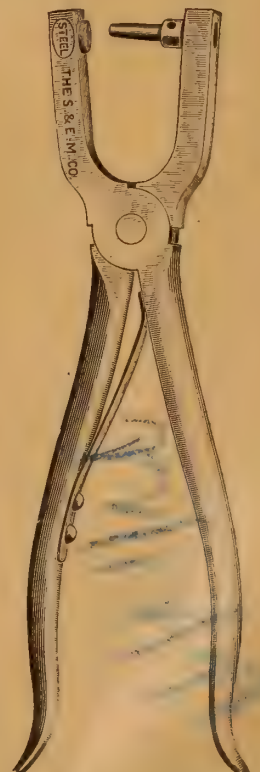
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BELT PUNCHES

Conductors' Ticket Punches.
BICYCLE SUNDRIES.

"Giant" Metal Sash Chain.
SASH PULLEYS.

"Red Metal" and Steel Chain.
PADLOCKS and RAT TRAPS.



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Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve

Medals



Awarded
By **JURORS** at
International Expositions
Special Prize

Gold Medal at Atlanta, 1895



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"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE CUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

Are We Intoxicated ?



WELL YES: We are inebriated with the knowledge that our **PAINTS** and **VARNISHES** are the best made in Canada. This is easily accounted for: They are used so extensively in every Province of the Dominion. The rule of our house prohibits us from making anything but the **BEST**. If we didn't make the best we'd go out of business—for people insist on having the **BEST**.

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Sterling Value
Langwell's Babbitt
--Montreal.

CANADIAN

HARDWARE

AND METAL
MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X

MONTREAL AND TORONTO, OCTOBER 15, 1898

No. 42



Magnolia Metal

Best Anti-Friction Metal for
all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamp-
ed on the under side of
each bar.



MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Traders' Building.
MONTREAL—Caverhill, Learmont & Co.
General Dominion Agents.

Owners and Sole Manufacturers,

266 and 267 West St., New York

"For men may come and
men may go, but I go on
forever."



CANADA

The poet was only speaking
of a brook, but the same is true of other things—
Galvanized Iron, for instance. Other brands come and go,
have a run for a season or two, and then drop out, but
"Queen's Head" goes on, year after year, always gaining in
popularity.

JOHN LYSAGHT, Limited

BRISTOL and MONTREAL

All
in
One.

Every desirable attribute combined in one general
whole—that best describes the Radiator of confidence; the one
folks know for what it is—Radiator perfection, The "Safford."

Without bolts, rods or packing in a single pipe connection
—absolutely unleakable, screw-threaded nipple connections,
that's why.

You get perfect and free circulation one minute after the
heat is turned on—guaranteed by the
largest Radiator makers under the
British Flag.

Handsome as a Radiator **can** be—light,
yet very strong—made in twenty-five different
styles—it fits circles, corners, angles.

Made by

The
Safford
Radiators.

THE DOMINION RADIATOR CO., Limited
TORONTO, ONT.

RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President.

A. BURDETT LEE, V. P. and Treas.

Importers of

Bar Iron
Steel
Boiler Plate

Shelf and Heavy

Hardware



MANTELS
GRATES
TILES

Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets

...TORONTO

Anything in....

Copper

THE range of our product is from the smallest article possible to make to the largest work ever used or required.

COPPER WORK

made to any desired specification or design.

We have always on hand a large stock of

Sheet Copper and
Copper Tubing

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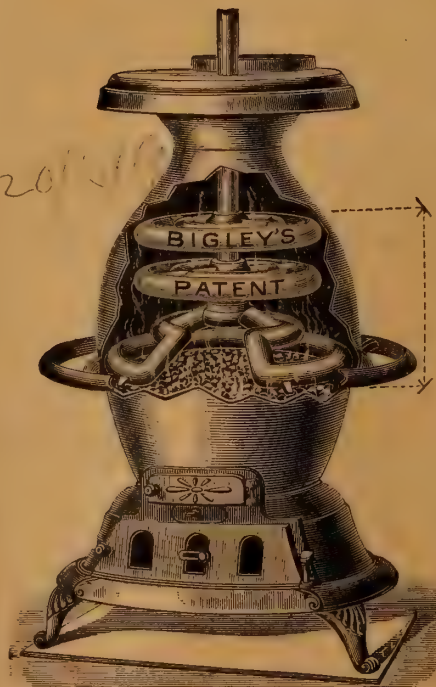
THE BOOTH COPPER CO.

Limited.

TORONTO

"BIGLEY'S" PATENT WATER HEATING COIL.

Made in
8 Sizes.



They are so constructed that one or more sections can be used. They are constructed principally for combination heating, in any kind of Hot Air Furnace, Globe Heaters or Stove, such as represented in cut. They are put together with screwed nipples and tested to 150 lb. pressure. The first section is cut away in front, so as to admit the coal. This heater adds $\frac{2}{3}$ more heating capacity to a stove or furnace. It can be built in brick for greenhouse heating.

Send for Catalogue

Manufactured by

R. BIGLEY 96 and 98 Queen E. TORONTO

Established 1825.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinsch's Sons Co. vs. Hermann Boker & Co:

"The complainant (R. Heinsch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinsch' or 'H. C. Heinsch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinsch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinsch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorn & Co., St. John, N. B., H. S. Howland, Sons & Co., Toronto, and others.

COLDBROOK IRON AND STEEL CO.

Limited

Manufacturers of
all kinds of**BAR IRON.**

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GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

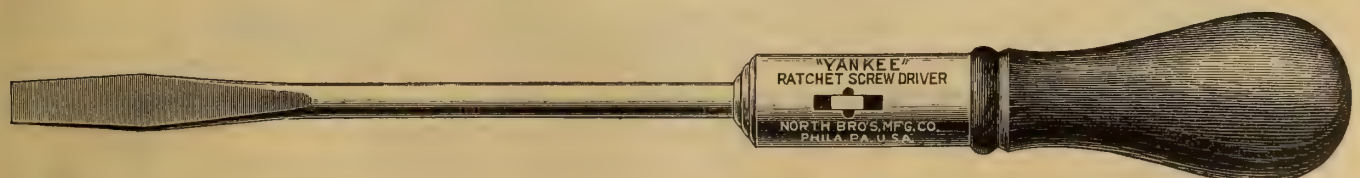
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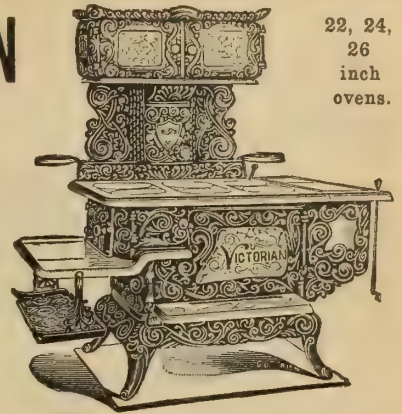
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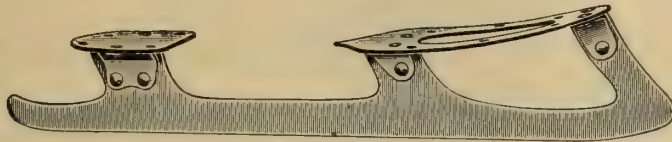
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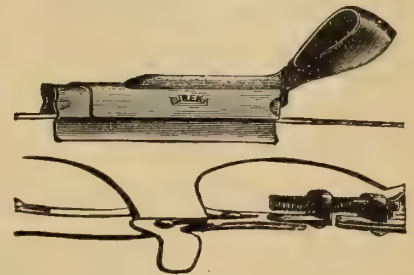
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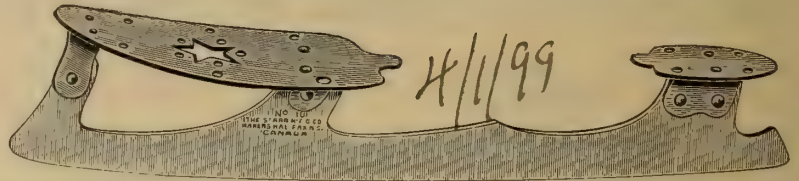
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SPECIFICATION. Tops highest grade cold rolled Sheet Steel highly carbonized, thus rendering them exceedingly stiff and unyielding.

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Price, with Pivot Toe, \$4.50 per pair.

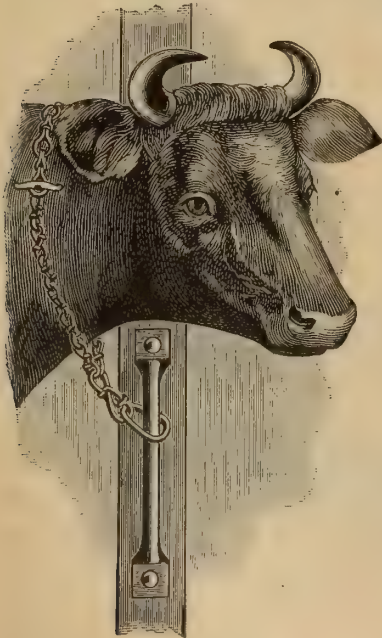
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Made in either
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Showing also our new

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STALL
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The cheapest, safest and most convenient stall fixture ever devised for either cows or horses. Allows great freedom to the head without a long chain, which would entangle the animal's foot. Also American Open and Closed Ring Cow Ties.

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NIAGARA FALLS, ONT.

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We are the only manu-
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the BRIGHTEST and
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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

METALS ARE ADVANCING.

THE situation in all leading metals abroad has been firm during the past fortnight. This has been particularly the case in pig iron, spelter, and tin, and to a lesser degree in copper and lead. The two last-named have exhibited some fluctuation up and down, but the other lines named have steadily advanced.

Comparisons gathered from the daily quotation sheets, furnished by W. I. Russell & Co., 66 Maiden Lane, New York, make this perfectly clear.

Taking Scotch pig iron warrants, in the first place, they have advanced from 48s. 3d., at which they closed on September 27, to 49s. 5d. where they stand at present. Dur-

ing the same interval there has been no fluctuation, whatever, in No. 1 pig iron at Pittsburgh, where the figure stands at \$10.60 at present, as it did on the 27th.

Spot lead in London declined during the last week of September from £12 18s. 9d. to £12 17s. 6d., ruling around the latter price for several days. Last Thursday, however, it recovered to its old price, and, finally on Monday of this week, advanced to £13, a gain of over 1s. per cwt. In New York, however, domestic lead has recorded the reverse tendency, declining from \$4, where it stood on September 27, to \$3.90, a loss of 10c. per cwt.

Spelter has been tending steadily upward in London during the past fortnight, and is now £1 higher than it was on September 27, when it stood at £22, as against £23 now. It has not varied in New York at all during the interval, standing at \$4.85 throughout.

In Straits tin, New York has shown a responsive disposition to the London temper. In the latter market, values have advanced, in the fortnight, from £74 13s. 9d. to £76 11s. 3d., and, in New York, from \$16.40 to \$16.80. Copper, in London, after declining from £52 3s. 9d. to £52 2s. 6d., on September 30, took a turn. Since then, it has steadily risen, jumping quite sharply at times, and now stands at £52 17s. 9d. It did not show any change in New York, ruling steady at 12 3/4c.

He who works best only when his employer's eye is upon him has not an eye to his own interests. Self-interest alone should impel a man to do his best at all times.

ANOTHER ADVANCE IN PIPE.

THE pipe-makers in Montreal, who, up to the present week, did not alter the selling price at the mills, withdrew all quotations on Wednesday, and sent out a new scale, which was equivalent to an advance in cost of fully 3 per cent. at the mills.

As a natural result, jobbers in Montreal again advanced their prices on black pipe, the rise ranging from 5 to 30c. per 100 feet, according to size, and values on black pipe are now from 40 to 75c. above where they were two weeks ago, as will be seen from the appended table:

Black Pipe.	Fortnight ago.	Last week.	This week.
3/4 inch	\$1 95		
1 "	1 95	\$2 25	\$2 35
1 1/4 "	2 20		
1 1/2 "	2 60	2 70	2 80
1 3/4 "	3 60	3 75	3 85
2 "	4 75	4 90	5 00
2 1/2 "	6 15	6 40	6 70
3 "	8 25	8 70	9 00

PHENOMENAL DIVIDENDS.

A GREAT deal is heard these days regarding the smallness of the average margin of profits in the iron and steel trades.

Whatever, however, may be the conditions as far as this continent is concerned, it does not apply to certain firms in Continental Europe.

Some of the steel works there are not only enjoying phenomenal prosperity, but phenomenal profits as well.

One steel concern, we are told, earned a dividend of 120 per cent. and paid a dividend of 90 per cent., while the shareholders in other plants were paid 20 to 40 per cent. on their investments.

Continental Europe must surely be the iron and steel manufacturers' paradise.

IRON ORE AND PIG IRON PRODUCTIONS INCREASING.

THE recent report of the Ontario Bureau of Mines reveals a satisfactory increase in the development of the iron industry in that Province.

For the twelve months of the year the total production of pig iron in Ontario, which, of course, is all the output of one blast furnace, namely, that at Hamilton, was valued at \$288,128. But the production of the first six months of the present year exceeds that by nearly \$20,000, being \$305,083.

This means an increase of nearly 7 per cent. in the half-year's production over the whole year's output of 1897.

Although the production of iron ore in the Province is still small, yet, its increase is marked indeed, compared with that of last year, the output for the whole of 1897 being only worth \$4,689, compared with \$23,845 for the first six months of the present year.

In other words, the value of the iron ore produced in Ontario during the first six months of 1898 exceeds that of the twelve months of 1897 by almost 300 per cent.

The report of the Bureau of Mines, in referring to the iron ores of the Province, says: "During the last few months there has been some revival of activity in the mining and shipping of iron ores in the eastern part of the Province. Ore has been shipped from a couple of points on the Kingston and Pembroke railroad, and from two or three deposits in Hastings county, to the Hamilton furnace. Some ore from the vicinity of Calabogie has also been shipped to the Drummond furnace in the Province of Quebec. There is a good prospect of erecting a charcoal furnace at Deseronto this year, and there has also been some agitation for the erection of a furnace in the vicinity of Bancroft, although it may go to a point further west."

The production of both iron ore and pig iron in Canada is still humiliatingly small, when the possibilities of the country are considered.

The aggregate output of iron ore last year in the Dominion was but 71,451 tons, valued at \$178,716, and of pig iron, 33,254 tons. The quantity of pig iron imported

was 25,758 tons, valued at \$291,715. The amount paid out in bounties under Federal authorization was \$66,509, being at the rate of \$2 per ton.

The production of pig iron in the Dominion since 1884, together with the percentage of home production to total consumed, is as follows:

	Tons.	Percentage home production to total consumed.
1884.....	29,593	36.2
1885.....	25,770	37.2
1886.....	26,180	36.4
1887.....	39,717	44.2
1888.....	22,209	31.2
1889.....	24,823	25.6
1890.....	25,697	22.7
1891.....	20,153	19.8
1892.....	30,294	30.5
1893.....	46,948	42.5
1894.....	62,522	57.7
1895.....	31,692	47.5
1896.....	53,948	59.2
1897.....	33,254	53.4

Judging from the present outlook, 1898 promises to become very near a record year in pig iron. The production of the Hamilton furnace alone promises to exceed the total quantity of 1897.

GLASS WILL CONTINUE FIRM.

It seems that there is an opinion in some quarters that the recent advance in the price of glass in Belgium is temporary. It is said that some dealers, acting on this belief, are cutting down large sizes rather than buy new stock at the present figures.

Those who claim to be in a position to know, state that the indications point strongly toward glass retaining its present high price in Belgium until late in spring, and possibly throughout next season. Belgian manufacturers have in no way shown any anxiety to sell at present figures, and in some cases have refused orders. No hope has been given by any of them of a reduction in price before New Year's at the earliest.

This being the case, it would be shortsightedness on the part of any merchant to cut down, for instance, an 18 x 24 size, bought before the advance, to 18 x 20, rather than buy the latter size. In case the 18 x 24 size ran out, the merchant would have to pay \$3.90 for this size whereas, if he had not cut down, but purchased the 18 x 20 size, he would have only had to pay \$3.50.

Therefore, any dealer thinking of cutting down a larger size should make sure that

he has enough of it to keep till spring at least. Even then, he stands a chance of losing by so cutting.

LUMBER AND NICKEL IN ONTARIO.

INDUSTRIAL conditions in northern Ontario are of a rather promising nature.

Lumbering operations, for one thing, are likely to be more extensive than might have been a few months ago anticipated.

Some of the Canadian lumbering firms sent gangs into the woods in August last, a month earlier than usual, and the United States firms who have timber limits in Ontario are making preparations to carry on operations on an extensive scale.

Whether the announcement of the Crown Lands Department, to the effect that to export logs cut this winter will be contrary to the regulations adopted at last spring's session of the Ontario Legislature, will cause the lumber firms from the other side to alter their plans and curtail their cut remains to be seen. In the meantime, however, at least some of them have placed large orders with wholesale firms in Canada for the necessary camp supplies.

Not only, however, are the lumbering operations promising, but there is more activity to be noted in the nickel mines in the neighborhood of Sudbury. In four or five of the mines, work is being actively prosecuted. Around the property worked by the Copper Cliff Company something like three hundred new cottages have been erected during the last six or eight weeks, to accommodate the workmen engaged in the mines.

The report of the Ontario Bureau of Mines, issued in August last, gave the output of nickel for the first six months of the year at 225,763 tons, or 133,888 tons less than the twelve months' output of 1897.

SISAL LOWER IN MONTREAL.

The advance in Manila hemp noted last week, and the fact that supplies of the material are estimated to be 25 per cent. short of what they were at this time last year, has not had any effect in stiffening the price of sisal rope, which is again $\frac{1}{4}$ c. lower this week in Montreal.

The base price is now $9\frac{3}{4}$ c. for 7-16 inch and up, against $10\frac{1}{4}$ c. a fortnight ago. Manila has not shown any alteration.

WILL FREE CANALS PAY CANADA ?

FOR some weeks past, the St. Lawrence canal system has been receiving a great deal of attention in the United States from newspapers, grain exporters and growers, and transportation companies.

This is a subject which has received more or less attention from those quarters for a great many years, but what has given it the particular interest which it now enjoys is a petition of the Lake Carriers' Association, endorsed by the Chicago Board of Trade, to the United States Commissioners at Quebec, asking that an effort be made to secure the abolishment of the canal tolls on the Welland and St. Lawrence river canals.

The idea by no means, however, meets with unanimous favor in the United States.

As we have already pointed out, Chicago, the members of the Lake Carriers' Association and the grain producers of the great Northwest are hand-in-glove for free canals. But Buffalo is unequivocally opposed to the proposition, and New York looks decidedly askance at it. Oswego and Ogdensburg would gain by free canals. Therefore, they can be counted with the pros.

Buffalo last year received 199,400,603 bushels of grain, by lake, for shipment out again by rail and canal. Anything which would tend to curtail these receipts can scarcely be expected to be taken to its breast by that city and warmed.

But not only is the handling of grain at Buffalo a large industry, but it is a growing one. The receipts last year, which were the largest on record, were over 100,000,000 bushels larger than in 1889, and 170 per cent. in excess of those of ten years ago.

New York looks askance at the proposition of free tolls because of the possibility that Montreal would gain thereby at the expense of New York.

One of the arguments used by those who at least are not strongly opposed to free tolls on the Welland and St. Lawrence river canals, is that it is possible that while the shipment of grain via the Erie canal to New York would fall off, it is equally possible that what was lost in this particular would be made up by increased shipments thereto by way of Oswego and Erie canals.

However, New York probably thinks that even should there be two birds in the bush

it is better to hold the one in the hand. And most men will probably conclude that what would tend to divert shipments down the Welland and St. Lawrence river canals would certainly tend to divert trade from New York.

At present, the bulk of the grain which arrives at Buffalo goes to Europe via New York, and last year, while both the receipts of grain there and the exports of grain therefrom were the largest at least in 20 years, yet, the exports from the port of New York are not proportionately as large compared with the total exports of the United States from all ports as they were. Boston, Philadelphia, Newport News and New Orleans are becoming competitors more and more keen, which naturally makes the Gothamites somewhat jealous of their interests, which this movement for free tolls on the Canadian canals by no means tends to lessen.

The receipts of grain at New York last year via the Erie canal were the smallest, with one exception, since 1878, which is the most remote year for which we have any data. And, while what is lost in receipts by way of the canal is more than made up by receipts by rail, yet New Yorkers realize that the falling off in the former is not a good sign. The following table, showing the receipts of grain in bushels at New York by canal and rail are at this point interesting :

	By canal. Bush.	By rail. Bush.
1878.....	63,664,049	63,960,486
1879.....	57,035,507	76,483,604
1880.....	69,345,829	71,901,088
1881.....	38,188,910	73,289,097
1882.....	32,148,345	53,672,968
1883.....	41,214,293	51,389,834
1884.....	37,924,524	48,086,975
1885.....	29,926,879	65,563,023
1886.....	43,995,835	59,200,235
1887.....	46,009,200	50,755,235
1888.....	34,020,600	40,515,051
1889.....	33,994,590	50,434,748
1890.....	30,185,400	63,938,068
1891.....	31,696,694	96,194,173
1892.....	26,780,675	105,111,076
1893.....	43,835,800	61,892,966
1894.....	43,031,800	42,535,695
1895.....	14,690,100	72,788,335
1896.....	32,250,050	88,227,725
1897.....	23,848,621	132,524,575
Total.....	773,786,701	1,368,364,956

As far as Canada is concerned, it is the duty of the Commissioners representing the Dominion to look at the matter from a business standpoint. Will it pay to make the canals free ?

Up to the end of June, 1897, the Dominion

had invested nearly \$84,000,000 in its canal system. Last year, the amount of revenue collected from all the canals, except the Sault Ste. Marie (which is free) was \$350,061, which means that the revenue is less than 2-5 of 1 per cent. on the total amount expended in building and maintenance.

Of this amount, \$195,083 was derived from the Welland canal and \$88,865 from the St. Lawrence canals, a total of \$283,948, or 81 per cent. of the whole. Practically, therefore, to make the Welland and St. Lawrence river canals free would be to wipe out the revenue received from the canal system of the country.

Last year, the exports of grain from Montreal were 26,376,800 bushels, while from New York they were 117,721,143 bushels, or over 78 per cent. larger. And it must be remembered that the New York figures are swelled by Canadian grain, something like five-sixths of the grain exported by Manitoba and the Northwest going by the Buffalo-New York route.

With the Welland and the St. Lawrence canals free, they would then be on the same footing as the Erie canal. This would be to the advantage of Montreal. But it would also be to the undoubted advantage of Oswego, and possibly more so than to the Canadian port.

But what is of more importance to Canada than free canals is deeper canals.

As the Canadian Deep Waterway Commissioners, in their report of 1897, stated, "More than half the best steamships of the United States are imprisoned above Niagara." And they are imprisoned there because the Welland canal is not large enough to admit of their passage to Lake Ontario. Could these large steamers reach the latter lake, Montreal would undoubtedly benefit thereby, as well as Oswego, even provided they had to transfer their cargoes to barges at Kingston. But it is obvious that if Canadian shipping upon the upper lakes is not to wax leaner even than it now is, that craft more approximate in size to those of the United States plying there will have to be provided. As long, however, as the Welland canal particularly remains an obstacle to the passage of modern lake steamers, so long will there be an obstacle to the development of the Canadian shipping on the upper lakes.

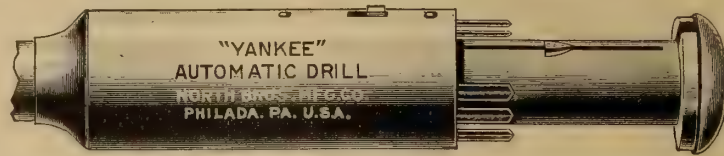
MANILA HEMP.

IN The National Geographic Magazine F. F. Hilder has an encyclopædic article on the Philippines. The section devoted to agriculture contains the following description of the famous Manila hemp :

"There is a great similarity between the agricultural products of Cuba and the Philippines—in both, sugar and tobacco are the great staples—but the latter islands possess a unique product which hitherto it has not been found possible to raise successfully elsewhere, although attempts have been made to introduce it in Borneo, Cochin-China, the Andaman Islands, and other places. It is known, commercially, as Manila hemp, but this is a misnomer, as it has no relation to the hemp plant. Its notice name is abaca, and it is the product of a species of plantain or banana, *Musa textilis*, which differs slightly in appearance from the edible variety, *Musa paradisiaca*. Its fruit, however, is small, disagreeable to

the way of cultivation, except to cut down weeds and extraneous growths to allow access to the plants and to replace those that may die from accident or old age. They reach maturity in about three years, and should then be cut, as at that age they yield the best fibre. If they are cut earlier, the

and will last longer than any now used in such tools. To insert drill the sleeve of chuck is turned to left, the drill inserted and sleeve let go. If the sleeve does not return to its place, push on drill and turn in chuck until it does. In hard or tough wood this drill can be operated as a ratchet. The

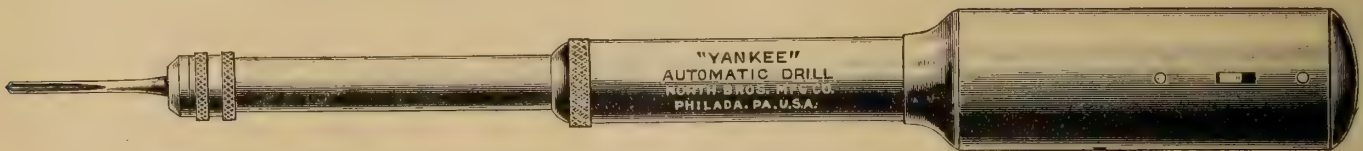


fibre is short and lacking in strength, and, if allowed to grow too old before cutting, it becomes harsh, woody, and brittle. A large quantity of land is required to form a successful plantation, as the plants occupy considerable room, and it requires the product of five or six acres to produce a ton of fibre at each cutting.

"The method of decortication (separating the bark from the stem) is as rude as the

tool is made of brass, nickel-plated and finely finished. The material and workmanship throughout are of the best.

Eight drills are furnished with each tool, one each 1-16, 5-64, 3-32, 27-64, 1/8, 9-64, 5-32, 11-64 inch, shown full size in cut. The entire length of tool, inclusive of drill, as in illustration, is 10 3/4 inches. Packed one in strong paper box. North Bros. Mfg. Co., Philadelphia, Pa., are the manufacturers.



the taste, and not edible. It grows to the height of 12 to 15 feet.

"There is evidently some peculiarity of soil or climate, or of both, which enables these islands to retain a monopoly of this fibre, which has become of such immense commercial value. It grows best in hilly or mountainous districts, and particularly in the volcanic regions in the eastern part of the islands. It is hardy, and suffers little from any enemy except drouth. It has the advantage of being a perennial crop, like

agricultural process. It is true that many machines, constructed on scientific principles, have been experimented with, but none, so far, have proved satisfactory, and the crude native implement is still the only one in use; it consists of a rough wooden bench, with a long knife blade hinged to it at one end, and connected at the other to a treadle. Strips of the plant are drawn several times between this blade and the bench, which removes the pulp and outer skin, leaving the fibre, which is then cleansed by washing, dried in the sun and packed for shipment.

"It is one of the most useful fibres known to commerce. Besides its value for making rope and cordage, it is extensively used in the United States for binding twine, harvesting wheat, oats and corn. Nearly 1,000,000 bales are exported annually, of which 40 per cent. comes to the United States."

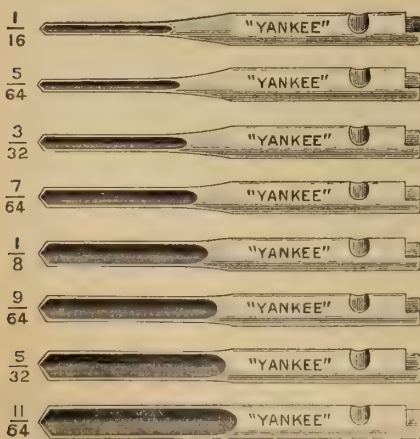
YANKEE AUTOMATIC DRILL.

The "Yankee" automatic drill, No. 40, embodies improvements over those now in the market in the magazine for drills. This is found in handle and reached by pushing catch toward top of tool, which causes interior of handle to move upward, showing all the drills in plain sight (as in illustration) and so they can be readily removed. This enables user to quickly select drill required. When the two parts are closed together they are fastened automatically and held firmly in place.

The chuck is of new design, is stronger

PATENT REPORT.

Below will be found the only complete list of patents granted to Canadian inventors by the Canadian Government. This report is prepared especially for this paper by Marion & Marion, solicitors of patents and experts, New York Life building, Montreal : Nos. 61276, Abron H. Moore and Horace R. Merry, Magog, Que., improvements in railroad spikes ; 61277, John William Hayward, Toronto, Ont., improvements in pie-lifters, toasters and broilers ; 61281, Daniel Riopel, L'Assomption, Que., improvements in planting machines ; 61282, Alva Armstrong, Oshawa, Ont., improvements in music boxes attached to bicycles or vehicles ; 61285, James Grant Kerr, Niagara Falls, Ont., improvements in acetylene gas generators.



its fruit bearing relative, month after month young shoots springing up from the original root.

"In starting a plantation, the timber and undergrowth are cut down and allowed to lie until dried by the sun, when they are burned, and the young sprouts and suckers are planted. Nothing more is ever done in

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.

Limited

HAMILTON, ONT.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

FRANK M. SULLIVAN, dealer in safes, scales, etc., Montreal, has assigned, and a meeting of his creditors will be held on the 18th inst. E. W. Borham has been appointed provisional guardian. Liabilities are about \$32,000, with assets (stock in trade), over that amount.

Robert J. Selfridge, dealer in stoves and tinware, St. John, N.B., has assigned.

J. D. Dancose has been appointed curator of Eric Bissonnette, saddler, Montreal.

T. M. Sibbald, coal and wood dealer, Toronto, has assigned to E. J. Henderson, Toronto.

A meeting to appoint curator for Dame F. Dumas, hardware dealer, Quebec, has been called for the 12th inst.

PARTNERSHIPS FORMED AND DISSOLVED.

Partnership has been registered by John Mann & Sons, coal dealers, Brantford.

F. X. Brouillette and A. A. Trudel have registered partnership under the style of Brouillette & Trudel, dealers in harvest tools, St. Narcisse, Que.

SALES MADE AND PENDING.

James Foreman, dealer in lumber, hardware, furniture, etc., Alexander, Man., is advertising his business for sale.

CHANGES.

Regis Dupre has commenced business as saddler in Moose Creek, Ont.

Morrison Bros. have commenced business as blacksmiths in Moose Creek, Ont.

The Brandon, Man., Machine Works Co., Limited., has been incorporated.

W. J. Batten, blacksmith, Hawkestone, Ont., has sold out to W. J. Clipsham.

W. H. Bingham, harness dealer, Blackstock, Ont., has been succeeded by R. T. Stillman.

C. J. Mitchell, bicycle dealer and machinist, has been succeeded at Paris by Charles R. Banks.

FIRES.

The foundry of Butterworth & Co., wholesale and retail hardware dealers, Ottawa, has been damaged by fire; insured.

The spring factory of J. B. Coughlin & Co., railway supply dealers, etc., Montreal, has been destroyed by fire; insured.

DEATHS.

James Brown, contractor, Ottawa, is dead.

E. Sandford, blacksmith, Thamesville, Ont., is dead.

AN ERRONEOUS IMPRESSION.

The F. M. Sullivan, who assigned last week, had no connection with the Fairbanks Scale Co. He handled the firm's goods simply as any other hardwareman would, so that the items in the daily press have been calculated to create an erroneous impression.

PEOPLE WHO MIX THEIR OWN

Paint think they get a better article than they can buy ready to use. This used to be true before

THE SHERWIN-WILLIAMS PAINTS

were made. It's not true now.

THE SHERWIN-WILLIAMS PAINT

is made of the best known painting materials. The materials are used in exact proportions. We don't guess at the amount of each, as persons who mix their own do. We carefully measure and weigh everything.

Then there is the mixing. Where they use a stick, we use powerful machinery. We get the liquids and pigments thoroughly combined—which is very necessary. They can only half mix them.

The grinding, which is most important of all, they don't get at all. We use mills that grind as fine as flour. This is where we get the greater covering capacity and spreading qualities.

Take it any way you like and we can beat the man who mixes his own. The advantages are all on our own side. Correct methods, special machinery, skilled workmen, and good materials give to our paint its exceptional value.

THE SHERWIN-WILLIAMS CO.

Walter H. Cottingham
Managing Director
Canadian Dept.

MONTREAL

AN ARTISTIC DISPLAY.

Mr. F. Scott, of Sheffield, England, representing Hawksworth, Eyre & Co. and two other leading English firms, a few weeks ago opened up an office and showrooms in the Temple building, Montreal. He has on exhibition a beautiful display of high-class goods, such as silver candelabra, tea sets, waiters, etc., which have made this firm famous. The plating and designing of these goods are certainly an innovation in this country and ought to have a ready sale.

He also has the agency for well-known English and German cutlery houses, samples of their goods being among the finest ever brought before the trade. It would be to the interest of any members of the trade to call and see this display.

TO MEET A LONG-FELT WANT.

In order to meet the demand for a cheaper line of scales, The Fairbanks Co. are placing upon the market a line of scales which they term "Dominion" and "Richelieu."

A CHANGE FOR CAPITALISTS.

The town of Parrsboro, N.S., has voted a bonus of \$10,000 to any company starting a pulp mill there. Situated on the bay of Mirios, in the midst of a lumber country, with a good harbor open all the year round,

and splendid railway facilities, this is one of the best places in the Maritime Provinces for this industry. Monied men will do well to look into this.

TRADE CHAT.

The contract for raising the iron work of the wrecked bridge at Cornwall has been let to the Collins Bay Rafting Co. The price is \$25,000.

The tender of the Goldie & McCullough Co., of Galt, for the boiler and engine to run the new electric light plant in Beeton, Ont., has been accepted.

Mr. Knox Henry, Montreal, who has the agency for several leading firms in the hardware line, has lately been awarded the agency for the Chalcraft Screw Co., Brantford, Ont.

Early Sunday morning, Ott's tannery, Brantford, Ont., was destroyed by fire. The loss on the building will be about \$2,000. It is insured for \$3,000. The loss on the contents will be about \$1,000. This is also more than covered by the insurance.

Mrs. Frs. Dumas, hardware merchant, of St. Rochs, Quebec, has assigned, on demand of P. Dods & Co., of Montreal. Assets, \$8,300, and liabilities, \$7,202. Mr. George Lefaire has been named provisional guardian, and the meeting of creditors will be held on the 15th inst.

COATES' CLIPPERS.

For many years, The Coates Clipper Manufacturing Co. have made the manufacture of clipping machines an exclusive specialty. It has been the constant purpose of this company to have these machines

excel in their particular line. The many novel features embodied in their design for ease and convenience of manipulation, and great strength throughout, insure the greatest productive capacity.

They manufacture a great variety of hair-clipping machines. Designed to be run by hand or power; to clip the hair from man or beast. Their "Easy Running" clipper, they claim, is built on entirely new principles, the object being, to construct a clipper that the most delicate hand can operate, thus enabling

a lady or child to use it, all parts being interchangeable. "Easy Running" is provided with "Coates' Patent Flexible Nut," by which

pers are easily taken down and set up, for cleaning and other purposes, without removing nut or screw. Every clipper put out by this firm is warranted to be exactly as represented, and they offer to make good or refund money in any case where party can show that they fall below the high standard claimed for them.

The most important feature in a clipper is the cutting plates. The plates are tempered glass hard, great care and skill being used, and only acquired through years of experience. Being ground by special machinery, these plates are peculiarly adapted to cut any and all kinds of hair, the best Bessemer steel being used in their cutting blades.

All these clippers are supplied with patent pull spring, working parallel to the handles, the spring being constructed so that, in its operation, it shall keep well inside of its torsional limit, adding many times to its life, and, at the same time, producing an even pressure throughout the entire length of stroke.

A duplex pressure plate, attached to "Easy Running" gives a tension exactly at the roots of the teeth, where the resistance occurs in cutting. This method requires just one-half as much pressure on the cutting plates to prevent them lifting in the hair, and consequently operates in just this proportion easier. Hence arises the name, "Easy Running."

AN IMPROVED HARDWARE STORE.

G. B. Morris commenced business as hardware merchant in Guelph, Ont., about 10 years ago. Enterprising and energetic management has built up a business, so that this summer he has had to enlarge and improve his premises. These improvements are now finished, and Mr. Morris has what is rightly styled an up-to-date hardware store. New plate glass fronts have been provided, a hardwood floor laid and a metal ceiling put in. On either side of the store, adjacent to windows, 12 feet of glass cases have been put up, where silverware, guns and general sporting goods can be seen to advantage. From floor to ceiling on both sides box drawers have been placed, and, as they are all neatly sampled, customers can see at a glance what they want. There are over 1,000 of these drawers, about 680 of which have been added within the past two months. The offices are finished in natural wood, and have chipped glass windows, making the rooms pleasant and cheery. The offices and store are well supplied with chandeliers for gas and electric light, and are heated with hot water and hot air.

J. Woodsworth, hardware merchant, 842 Yonge street, Toronto, is enlarging his business by the addition of a tin and galvanized ironware department, and a department for the sale of stoves and ranges.

GILBERTSON'S "COMET" BRAND

Patent Flattened Galvanized Steel Sheets

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized

and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . .

22 St. John St., MONTREAL



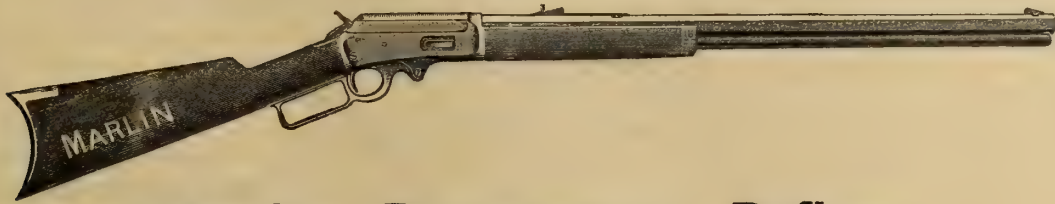
an elastic pressure upon the plates is obtained, thus insuring evenness of cut; also Coates' patent locking stud, by which clip-

H. S. HOWLAND, SONS & CO.

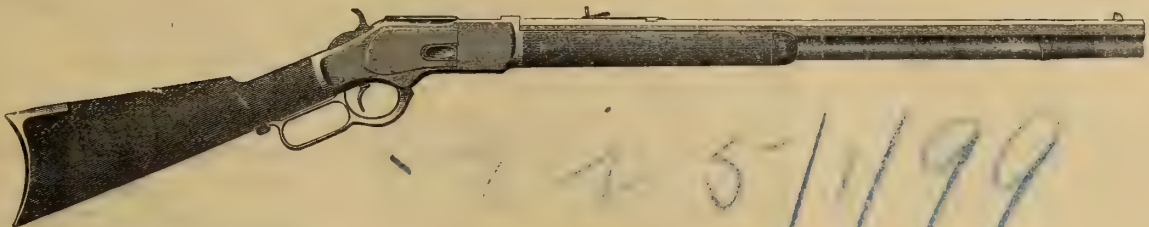
WHOLESALE
MERCHANTS

37-39 Front Street West

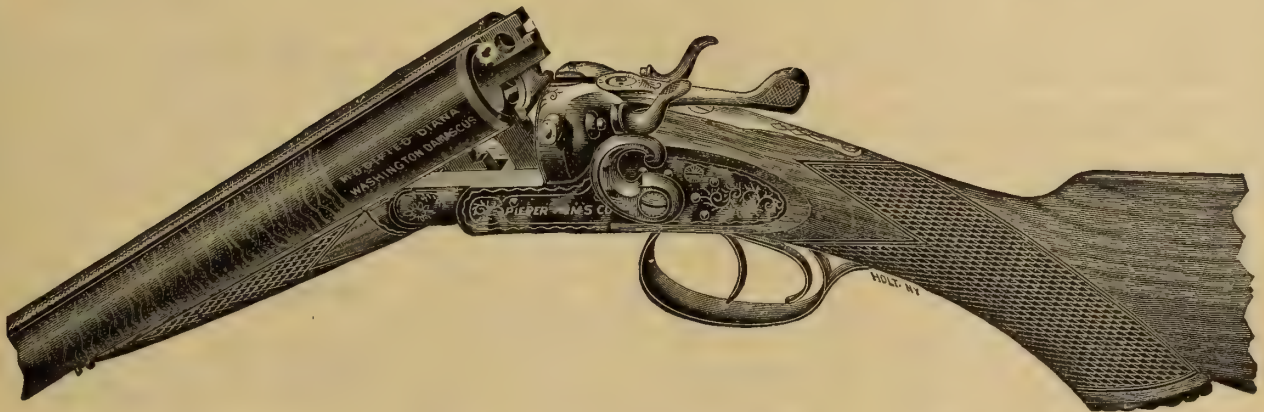
TORONTO



Marlin Repeating Rifles.



Winchester Repeating Rifles and Shot Guns.



Piper's Breech-Loading Guns.

10, 12, AND 16 GAUGE

RELOADING TOOLS, SHOT POUCHES, POWDER FLASKS.

American Deadshot, 25-lb. kegs.

POWDERS

Schultze Smokeless, in ½-lb. Tins.

GRAHAM Cut and Wire Nails are the Best.

If you have not received our latest FALL CATALOGUE, please advise us.

H. S. HOWLAND, SONS & CO.

ORDER SOLICITED.

TORONTO.

OUR PRICES ARE RIGHT.

Revolvers, Flobert Rifles, Ammunition.

Loaded Shells, Shot, Wads and Caps.

TRADE IN OTHER COUNTRIES THAN OUR OWN.

BILLETS LOWER.

THE market is very dull and prices are lower. Some of the steel mills are in need of sheet bar specifications and are diverting their product to billets, with the result that more steel is being offered, and it can be bought at a less price than two or three weeks ago. We quote billets at \$15.75, maker's mill, but we are advised that some mills are holding for \$16. There is practically nothing doing.—Iron Age.

WIRE NAILS IN THE UNITED STATES.

There is a strong tone to the wire nail market. The advanced prices announced two weeks ago are firmly maintained, and concessions are exceptional, if not entirely discontinued. Some of the larger mills are well sold up for the present month, and have not accepted any business beyond October 31. Demand remains fully up to that of the week previous, with a satisfactory outlook for the future. Prices announced by the manufacturers remain as before: To jobbers, in carload lots, f.o.b. Pittsburgh, \$1.35; to single carload buyers, f.o.b. Pittsburgh, \$1.40. Prices f.o.b. Cleveland are 2½c. per keg higher than the above; at Chicago, Joliet, Cincinnati and Louisville, 7½c. higher, and at St. Louis, 12½c. higher. Manufacturers are refusing to accept orders except for early delivery. Intimation comes from a reliable source that an advance in the price of wire nails by manufacturers shortly after the middle of the present month is not unlikely.—Iron Age.

THE DEMAND FOR CHARCOAL IRON.

Producers of charcoal iron report that the very large demand of the summer months for their high irons—Nos. 4, 5, and 6—due in part to the activity of works having contracts for war munitions, still keeps up. Wheel manufacturers are said to be using more charcoal iron than in the past few years, the thermal test now required by many railroads being given as the reason for the change. As the price of charcoal iron has come nearer that of coke iron in the past year, malleable foundries have extended their use of the former, in some cases choosing charcoal iron in place of considerably cheaper brands of coke iron. At the same time, furnaces that have made a specialty of coke iron for malleable uses have found the demand taxing their capacity. Coke furnaces not in the habit of working to malleable specifications could not get this trade by impromptu effort, the result being that both charcoal and coke malleable producers have had all they could well care for. The surprise has been

that owing to the heavy consumption of iron by malleable concerns prices have not made a larger advance.—Iron Trade Review.

UNITED STATES IRON MARKET.

The essential strength of the iron market keeps asserting itself, apart from the changing incidents of weekly records. Finishing mills are not all booked so far into the future as was the case in early September, but the business in process of development dispels any trace of anxiety as to the future. All indications are that the tide is to rise even higher when plans now on foot are carried out. Though its tonnage is much below that of the Bessemer furnaces, the trade in foundry iron is, for the time being, of most interest, in view of the effort only a few months ago to organize against the demoralization from which it had long suffered. The trouble has been cured in the natural way, whereas the elaborate restrictive plan failed to make friends. Under the leadership of the Southern producers, whom the export trade has made independent, the foundry furnaces have been gradually taking higher ground, and to day, the situation is stronger than at any time since 1895.—Iron Trade Review.

WIRE NAILS IN THE UNITED STATES.

During the past week, the market has presented no specially new features. The advanced prices announced in our last issue are, on the whole, quite firmly maintained, any concession in prices being quite exceptional, and resorted to principally by the small concerns. The demand is referred to as increasing. While orders are, for the most part, for moderate quantities, the aggregate is quite satisfactory. The market has an excellent tone, and manufacturers and jobbers unite in anticipating a steady and, probably, increasing movement. Prices announced by the manufacturers remain as before. To jobbers, in carload lots, f.o.b. Pittsburgh, \$1.35; to single carload buyers f.o.b. Pittsburgh, \$1.40. Prices f.o.b. Cleveland are 2½c. per keg higher than the above; at Chicago, Joliet, Cincinnati and Louisville, 7½c. higher, and at St. Louis, 12½c. higher. Manufacturers are refusing to accept orders, except for early delivery.—Iron Age.

WAY DOWN EAST.

The covering of the new C.P.R. elevator in St. John, N.B., with corrugated galvanized iron is one of the large contracts recently undertaken by The Metallic Roofing Co., of Toronto. The same firm is also supplying its well-known "Eastlake" shingles for the roof of this large new building.

Safes, Scales
Trucks, Barrows, etc.

Goldie & McCullough's Safes, Vaults, Doors, etc. Standard Scales of every size and variety. Trucks and Barrows for every service. Show Cases, every design and size. Butchers' and Blacksmiths' Supplies. Second-hand Safes bought, sold, exchanged or repaired.

F. M. SULLIVAN.

Office—308 St. James St. MONTREAL, QUE.
Factory—419 St. Paul St.

Emery and Hardware
Specialties

Hamilton, Ont. COOKE HARDWARE CO.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent,
April 3 1897.

With Plated Rust Proof and Guarded Spring.
"The Latest and Best." Sold by all Leading
Jobbers in Canada.

PRIEST'S CLIPPERS

BALL
BEARINGS

Largest Variety,
Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and
Sheep-Shearing Machines.

WE MAKE THEM.

SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS

Hand and Power, easiest running made.
Manufactured in every style and variety. Our
power machines will meet every requirement.
Our flexible shafts are tempered steel, and
will not heat. 1899 catalogue ready

COATES CLIPPER MFG. CO.
WORCESTER, MASS.

AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods
Can ship promptly and
supply the very best

We make a
specialty of....

"Hand Shaved"

Octagon

Axe Handles

Made by
Indians

being the largest dealers in Canada in this line.
Can give exceptional value.
Have 5,000 dozen of these handles
on hand, ready for polishing.
Write for prices.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.



Emery

Write for Latest Catalogues and Samples to

Cloth and Paper.
Glass and Flint Paper.

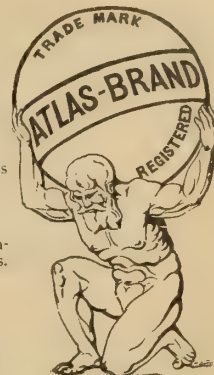
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.

Grinding Machinery.



The **LONDON EMERY WORKS CO.**, 10-12 Vine Street Clerkenwell, **LONDON, E.C.**

AGENTS WANTED.

Sanderson Percy & Company's PURE PREPARED PAINTS

The Oldest and Most Reliable.

CANADIAN ADVERTISING is best done by THE
E. DESBARATS ADVERTISING AGENCY,
MONTREAL.

ISLAND CITY
Paint and
Varnish Works

.. Manufacturers of ..

READY MIXED PAINTS and
FINE COACH VARNISHES.

WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.
WORKS 274 St. Patrick St., MONTREAL.

BOLTS STOVE
TIRE

RIVETS OF ALL KINDS.

Montreal Agent—**KNOX HENRY**,
Board of Trade Bdg.

Toronto Agent—**LOUIS HUFFMAN**,
1634 King Street West.

CHALCRAFT
SCREW CO.
BRANTFORD, ONT.

We are the Oldest and Largest Manufacturers of

SCREWS and
BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The...

John Morrow Machine Screw Co.
Ingersoll - Ontario.

Lanterns

CAUTION.

As some jobbers are trying to substitute other Lanterns to their customers, when ours are asked for, the trade are respectfully requested to see that they get "WRIGHT'S" Lanterns when they order them, as there are no lanterns equal to them in the market.

E. T. Wright & Co.,
Manufacturers,
Hamilton, Ont.



SHEET STEEL BUILDING MATERIALS

are now being largely used for all classes of buildings, and, as these goods are bound to be an important department of every Hardware and Tin Shop in the Dominion, we take this opportunity of asking you to write us regarding prices to the Trade.

Our goods are **THE BEST** on the market, and our prices meet any competition.

**The Pedlar Metal
Roofing Co.**

OSHAWA, ONTARIO.

IT HAS COME TO STAY.

August sales this year double any previous month.

SEE BISLEY SPECIAL REPORT FOR '98. .303 SCORED MORE POSSIBLES THAN ANY OTHER POWDER.

New Issue 1898

FOR LONG RANGE GAME SHOOTING



A DISTINCT ADVANCE ON ALL PREVIOUS ISSUES.

High Velocities, Low Pressures, Long Range

Extra-hardened, double-waterproofed, reliable, safe, no jar, hard-hitting, quick and strong with perfect combustion, the favourite powder, the choice of experts, the powder of 1898.

THE POWDER OF POWDERS FOR A VARIABLE CLIMATE.

SOLE MANUFACTURERS—

The Smokeless Powder Co., Limited

Dashwood House, New Broad St.,

Lewis Bros. & Co., Montreal

LONDON, E.C.

Sole Agents for Canada.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed
Nuts, Square and Hexagon**IN RUNNING ORDER**

The fire that lately damaged our premises somewhat, is not as severe as we thought, and the various departments in our works are now in running order.

(43) **W. R. CUTHBERT & CO.,**
Duke St., Montreal. Brass Founders, Etc.

THE

New White Metal Polish

“Nanon”**The Queen of Polishes.**

Imparts instantaneously a dazzling and lasting

BRILLIANCY

to Brass, Tin, Nickle, Zinc, Gold, Silver, etc. Free from grit or emery, and will not scratch the finest surface.

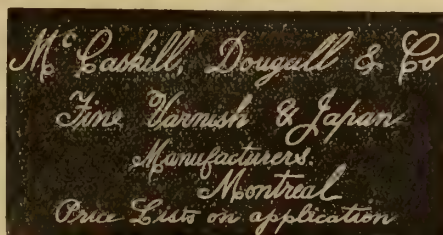
Samples on Application.

LAMPLUGH & McNAUGHTON**Montreal**

Sole Agents for Canada.

Canadian Mining Institute

**PROSPECTORS’
CORRESPONDENCE
CLASSES
A SPECIALTY.**

Write for particulars.**J. B. COGHLIN**

Hardware, Iron and Steel Merchant, Railway and Contractors' Supplies.

MANUFACTURER OF

CARRIAGE, WAGON SPRINGS and AXLES, RAILWAY SPRINGS and SPIRAL SPRINGS of every description.

A large stock always on hand.

Office and Warehouse, 432, 434 and 436 St. Paul St., MONTREAL.

Works, Montreal Spring and Axle Works, HOCHELAGA. (44)

The Canadian Mining Exhibit Co., Limited

Will give you any information in reference to Mines or Minerals found in your district.

Assays made by their own Assayers

If you have or know of any Minerals you do not know the value of, send Samples to us, and we will let you know whether it is worth anything to you.

Mining Properties Valued by Experts

THE**CANADIAN MINING EXHIBIT CO., Limited**

650 Craig Street

... MONTREAL.

**“ART AND ECONOMY.”****Wall Papers**

Every pattern, design, and color effect introduced in the beautiful range of papers made by us, for the 1898-9 season, has been carefully studied to make them popular, good sellers, and the best adapted for Canadian trade. Orders up to the present, received through our travellers and by personal selection, have proved that we've not missed the mark in a single line shown, from the most inexpensive and simple design to the choicest patterns for the highest class of trade—dealers are buying liberally, because they believe the **Staunton** papers will be in biggest demand, and because the people noting the vast differences between our goods and many lines being offered them—domestic and foreign—are asking for **Staunton**-made papers—a business point the dealers will not overlook. See our travellers—see our samples—buy our line—and you'll have the best line—and bigger profits.

M. Staunton & Co.

MANUFACTURERS

TORONTO

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Oct. 7, 1898.

HARDWARE.

BUSINESS in general hardware has been of fair volume, and values, as a rule, are firm. This is particularly the case in black iron pipe, on which jobbers here have again advanced prices this week, as a result of an advance of 3 per cent. on the cost price at the local mills. Barbed and plain wire have contributed a fair trade, prices ruling steady, while the unsettled feeling in wire nails still prevails, and is, with sisal cordage, which has again declined, the weak spot of the market. The movement is good in wire and cut nails, horse nails, horseshoes and similar lines.

BARB WIRE—There is no change in this article, and values rule steady on the base of \$2 per 100 lb. f.o.b. Montreal.

PLAIN WIRE—Demand has been of a fair character for plain fencing wire, and also for hay baling stock. Discounts are 40 per cent. on oiled and annealed and 35 per cent. on galvanized.

WIRE NAILS—Despite the strength in the

States, there are no indications of any stability in this market, and sales of car lots are noted under our price, which we quote at \$1.75. Demand is quite brisk, owing to the merry war in regard to values.

CUT NAILS—The failure of a Maritime Province concern is not expected to affect the cut nail combine, or lead to any change in values, which we quote at \$1.75 with 5c. rebate f.o.b. Montreal, Toronto, Hamilton and London.

HORSE NAILS—There is good demand for these, and discounts are 50 per cent. on Standard, and 50 and 20 on Acadia brand.

HORSESHOES—A fair movement is noted in horseshoes. We quote: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35; toe weight, \$5.50.

SCREWS—There is a steady trade in these. Discounts are as follows: Flat head bright 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—A good business is doing in these. Discounts are: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS—There is a moderate demand for these. Discounts are: Iron, black and all tinned, sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—The easy feeling in cordage continues and prices on sisal are ¼c. lower than they were. We quote: Sisal, 7-16 and up, 9¼ to 10c.; ¾, 10¼c.; 5-16 and ¼, 11c., and 3-16, 11¼c. Manilla was unchanged: 7-16, 11½c.; ¾, 12¼c.; 5-16 and ¼, 13c., and 3-16, 13¼c.

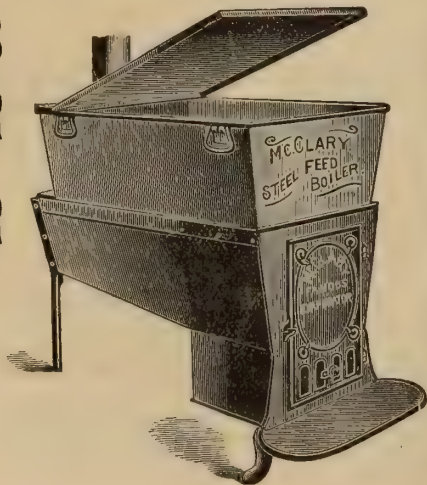
CLOTHES WRINGERS—There is a fair demand for these and prices are steady at \$29 to \$30, as to brand.

BELTING—A fair trade is reported and prices are steady.

HINGES—There is a fair enquiry for these. We quote as follows: 6 to 12 inch, \$3.15 per 100 lb.; 14 inch,

THE FAMOUS EVAPORATOR OR FEED BOILER

For Wood.
Heats Quickly.
Saves Fuel.



Boiling pan made of galvanized steel, holds 50 gallons (imperial).
The furnace door, frame, smoke pipe plate, hearth, legs and grates are made of cast iron.
Steel linings prevent the direct heat of the fire from warping or burning the body of furnace.
Size of firing door, 11 x 12 inches.
Length of fire-box, 40 inches.
Being steel, it boils quickly and uses little fuel in doing it.

Aluminum Heater

For COAL OIL.

Can be carried
anywhere.

Made entirely of steel and aluminum.
Will not discolor.
The oil tank is so protected with cold air spaces that oil cannot become heated, and therefore prevents odor.
Cold air is drawn from floor and discharged from top of stove heated, causing a complete circulation of air in the room.

VERY LIGHT. NO SMOKE.

In **AUTUMN** they are a comfort in the nursery and parlors, as well as in **SPRING**.

	No. 24.	No. 30.
Circumference of wick, in.	8¾	10
Approximate weight	11	15



FOR QUICK SHIPMENTS ORDER FROM McCLARY'S.

Sole Agents for Canada

The McClary Manufacturing Company

LONDON

TORONTO

MONTREAL

WINNIPEG

and

VANCOUVER

The genuine is stenciled "Apollo-Vandergrift"
APOLLO BEST BLOOM
GALVANIZED IRON.

Apply the severest tests to
 Apollo galvanized iron.

If not satisfactory, send it
 back to your dealer at his
 expense.

We shall hear of it.

Apollo Iron and Steel Company
 Vandergrift Building
 Pittsburgh
 Works: Apollo and Vandergrift, Pa.

Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements

F. HYDE & CO.

31 Wellington street, MONTREAL
 Importers and Dealers.

Abbott & Co.

ROLLING MILLS
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MERCHANT BAR IRON—

	BRAND
Best Refined Bar Iron	AVB
" " Rivet Iron	AVB
" " Horseshoe Iron	
Ex. Best " Bar Iron	AXB
" " Rivet Iron	AXB
" " Stay Bolt Iron	AXB
" " Hammered Iron	AHB
" " Charcoal Iron	ACB

Tyre, Sleigh Shoe,
 Axe and Rivet STEEL.

CANADA IRON FURNACE CO.,
 Limited.
 Manufacturers of

CHARCOAL PIG IRON
 MONTREAL

BRAND "C.I.F." THREE
 RIVERS

PLANTS AT
 Radnor Forges, Que. Three Rivers.
 Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,
 Managing-Director and Treasurer

\$2.35; T and strap, 70 and 10 per cent.,
 and screen door, \$6.50 per gross pair.

SPADES AND SHOVELS—Trade as last
 noted, with discounts 40 and 10 per cent.

BUILDING PAPER—There is a good enquiry
 for building paper. We quote: Fibre,
 tarred, 45c.; dried, 35c.; sheathing, tarred,
 27c.; dried, 22c.; tarred roofing felt, \$1.10.

SPORTING GOODS—Orders are pretty free
 for sporting goods.

CUTLERY—There is a steady demand for
 table and pocket cutlery.

CEMENT—Prices are firm under a good
 enquiry. Arrivals this week have been
 considerable, but are readily absorbed.
 We quote as follows: Belgian, \$1.85
 to \$2.05; German, \$2.35 to \$2.50,
 and English, \$2.25 to \$2.35, with domestic
 \$1.95 to \$2.

FIREBRICKS—There is a quiet but steady
 trade in these, and values are unchanged at
 \$16 to \$21 per 1,000, as to brand.

METALS.

There is a good movement of heavy iron
 and metals, and values generally are firm
 all round, in fact, some lines shown manifest
 an upward tendency.

PIG IRON—Prices on pig iron are held
 firmer, especially on Scotch iron, and no
 high grade iron is now obtainable on the
 wharf under \$18. We quote as follows:
 No. 1 Hamilton, \$15 to \$15.50; No.
 2, \$14.50; Ferrona, \$14.50 to \$15;
 Siemens, \$14.50 to \$15, and Summerlee
 and equal brands, \$18, ex wharf, and \$18
 to \$18.50 ex yard.

BAR IRON—Quite a number of car lots are
 moving, and prices are firmly held at \$1.35
 to \$1.40 f.o.b. Montreal, according to
 quantity.

HOOPS AND BANDS—There is an active
 trade in these, and prices rule steady at
 \$1.75 to \$2.

SHEET STEEL—Rules quiet but steady.
 We quote: 14 gauge, \$2.40 per 100lb.; 16
 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24,
 \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON—Business in block sheet
 iron has been fair and values steady.
 We quote as follows: \$2.10 on 10 to 16
 gauge; \$1.80 on 18 to 20 gauge; \$2 on 22
 to 24 gauge; \$2.10 on 26 gauge, and \$2.15
 on 28 gauge.

GALVANIZED IRON—An active business
 is doing in galvanized iron, and values are
 firm at \$4 to \$4.15 for No. 28 "Queen's
 Head," and \$3.75 for "Comet,"

INGOT COPPER—There is a good trade in
 copper, with values steady at 13c.

SHEET COPPER—Fairly active and steady.
 We quote as follows: 16-oz. at 16c.,
 and 14-oz. at 17c.; tinned copper, 16-oz.,
 18c.; 14-oz., 18½c.; planished 14-oz.,
 24c.

INGOT TIN—Advices are rather irregular,

TIN PLATES

"Lydbrook" and "Trym" best Coke.
 "Allaways" and "Dominion Crown" Charcoal.

TINNED SHEETS

"Manor" and "Dominion Crown."

CANADA PLATES

"Allaways" and "Lydbrook."

TERNE PLATES

"Dean."

These standard brands can always be relied upon.

A. C. LESLIE & CO.

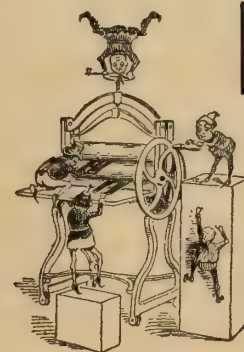
AGENTS
 MONTREAL

"GREENING'S"
Cow Ties."

These Cow Ties have stood the test for years.
 Undoubtedly the best and strongest on the
 market.

It will pay to handle only the best.
 A complete line of all sizes ready for shipment.
 For sale by all jobbers.

The B. Greening Wire Co.
 LIMITED
 MONTREAL AND HAMILTON.



Mangles

Always in season,
 but especially so
 in hot weather.

Three different
 kinds—send for
 Catalogue.

Should be univer-
 sally used.

THE DOWSWELL MANUFACTURING CO., Limited
 Cor. Bay and Murray Streets
 HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers,
 Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.
 Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

but spot values are steady. We quote: Straits 17½c., and Lamb and Flag 18c.

PIG LEAD—The market has been firm in London, but rather easier in New York. Here, prices are unchanged at \$3.70 to \$3.80.

IRON PIPE—Makers here withdrew their prices on Wednesday, and advanced values 3 per cent. all round on black pipe. As a result, jobbing prices are again up as follows: Black pipe, ¼-inch, ⅜-inch, and ½-inch, \$2.35; ¾-inch, \$2.80; 1-inch, \$3.85; 1¼-inch, \$5; 1½-inch, \$6.70, and 2-inch, \$9. Galvanized, ½-inch, \$3.95; ¾-inch, \$4.80; 1-inch, \$6.65; 1¼-inch, \$9.15; 1½-inch, \$11.75, and 2-inch, \$16.

LEAD PIPE—The demand is fair and values steady at 7c. for ordinary, and 7½c. for composition waste, with 25 per cent. discount.

CANADA PLATES—Demand is active, and while we hear of \$2.15 being shaded for round lots, such an occurrence is the exception and not the rule. We quote: 52's \$2.15; 60's \$2.30, and 75's \$2.35. Full polished, \$3. Galvanized Canada plate, 52's, \$3.75.

TIN PLATE—There has been a fair movement in these. We quote: Coke, I. C., \$2.90 to \$3.25; charcoal, I. C., Allaway or Comet brands, \$3.25; do, I. X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I. C., \$3.95; do, I. X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Steady, with a fair enquiry, at \$6 to \$6.25.

COIL CHAIN—In fair request. We quote: ¼-inch, \$5; 5-16, \$3.50; ⅜, \$3.25; 7-16, \$3.15; ½-inch, \$3, and ⅝ up, \$2.85.

SHEET ZINC—Very steady at 6¼ to 6½c.

SOLDER—Firm and unchanged, at 12¼c.

ANTIMONY—There is no change to report and we quote 9¼ to 9½c.

SPELTER—Advices are steady to strong, both from London and New York. We quote \$5.50 to \$6.

GLASS.

There is an active trade doing in window glass, and, while prices are firm, it is not expected that there will be any further change in prices until the balance of the supplies for the winter season arrives. We quote: First break, \$1.60; second, \$1.70 per 50 feet; first break per 100 feet, \$3.50; second, \$3.75; third, \$4; fourth, \$4.50; fifth, \$5.

PAINTS AND OILS.

The loss of turpentine by the recent tornado has strengthened prices, and our local quotation is now 2c. per gallon over the figure for last week, and, with a good demand, there is every prospect of winter prices being still higher. Linseed oil is

also firmly held, without any reported change in figures. The demand for colors and paints is fairly good for the season, but makers speak of business as being later than a year ago, and greater activity would be welcomed.

WHITE LEAD—Best brands, Government standard, \$5.62½; No. 1, \$5.25; No. 2, \$4.87½; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4½c.; kegs, 4¾c.; No. 1, casks, 4¼c.; kegs, 4½c.

WHITE ZINC PAINT—Pure, 7c.; No. 1, 6¼c.; No. 2, 5½c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 50c.; boiled, 53c., two to four-barrel lots one cent less, five to nine-barrel, 2c. less, ten to nineteen, 4c. less, and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 49c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8¼ to 8½c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4½ to 5½c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

PETROLEUM.

There is a brisk demand for all grades of petroleum, but especially so for "Crown Acme," the new Sarnia oil. Values rule quite firm, and the volume of trade is in excess of last fall. We quote: "Crown Acme," the new Sarnia oil, is selling at 16c. in small quantities; Canadian refined, 14c.; American prime white, 17c.; water white, 18c.; Pratt's astral, 19¼c.

HIDES.

Demand is good from all points, and prices are steady. We quote as follows: Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3, 7c. Lambskins, 65 to 70c.

MONTREAL NOTES.

Turpentine is 2c. higher this week at 49c. Arrivals of cement this week were 11,258 Belgian, and 750 English.

Makers have advanced prices on black iron pipe this week fully 3 per cent.

Scotch pig iron is held 25c. to 50c. per ton higher ex wharf this week, as a result of lighter stocks.

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

Portland Cements

Best German, English and Belgian Brands

Calcined Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

HEADQUARTERS for BOILERS

Galvanized Range Boilers

"Reliance" } HIGH-CLASS
"Ronald's" } AMERICAN
BOILERS.

Copper Boilers

Radiators, Iron Pipe, Fittings

WRITE FOR PRICES.



ONTARIO LEAD AND
WIRE CO., Limited

TORONTO

WAREHOUSE,

55, 57, 59 Richmond St. East.

OFFICE, 54, 56 Lombard St.

Telephones 1092, 763.

ONTARIO MARKETS.

TORONTO, Oct. 14, 1898.

HARDWARE.

NOTHING particularly new has developed during the week in the hardware trade. Business is keeping up well. Wire for hay-baling purposes is in fair demand, but there is little or nothing doing in fence wire. Wire nails are going out well, but prices are as unsatisfactory as ever. Sisal rope is easier, but there is no change in manilla. Enamel ware is still in good demand, and tinware, for certain purposes, is going out. The demand for stoves and tinware continues to tax the ability of the manufacturers to satisfy. Screws, bolts, rivets and burrs continue in steady demand. Payments are fair.

BARB WIRE—Few small lots are going out. During the past couple of weeks four-point barb wire has been quoted in these columns at \$1.80 London as well as at Toronto. This was an error. The price in the former city is \$1.85. We quote as follows: Four point, \$1.80 f.o.b. Toronto and \$1.85 f.o.b. London; two point at \$1.90 f.o.b. Toronto. Terms, 30 days or 2 per cent 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—Wire for hay-baling purposes is selling fairly well. There has been some enquiry for ordinary fence wire, but little or no business has resulted therefrom. We quote: Annealed, oiled and annealed, bright wire, coppered steel and spring, 37½ per cent. discount off the list, with allowance of freight up to 20c. per 100 lb.; galvanized, 30 per cent.

WIRE NAILS—The demand continues good, with prices as low and unsatisfactory as ever. The ruling base price is \$1.75 Toronto.

CUT NAILS—There is still very little doing. Base price \$1.75 Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

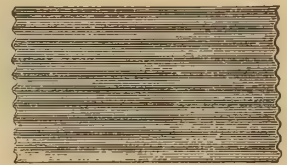
HORSE NAILS—Demand continues fair. Discounts are as follows: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—Business is much the same as a week ago, namely, fair. We quote as follows: Iron shoes, light, medium, and heavy, \$3.25 f. o. b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—A steady business, at unchanged prices, is still to be noted. Discounts are: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—Trade is good for the season, particularly in stove bolts. We quote

Always Specify

"Owl Brand"**Corrugated Iron** and be sure of satisfaction.

We make any gauge, and any sized sheet up to 96x33. Galvanized or painted, curved or straight.

Our Owl Brand Corrugated Iron is pressed, not rolled—the corrugations are all uniform, fitting squarely at the ends and sides without waste. It is always reliable—entirely free from pin holes, scale or other defects.

Let us know your requirements.

The METALLIC ROOFING CO., Limited

1179 King Street West, TORONTO

as follows: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¼c.; hexagon, 5¼c.

RIVETS AND BURRS—A steady, seasonable trade is being done. We quote: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—There is still but very little doing. Sisal rope is easier, notwithstanding the firmness of manilla. We quote as follows: Sisal, 7-16 in. and larger, 10c.; ¾ in., 10½c.; ¼ and 5-16 in., 11c.; Manilla, 7-16 in. and larger, 11½c.; ¾ in., 12c.; ¼ and 5-16 in., 13c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—The demand continues fair. We quote: Rope halters, ¾ in., \$8.25 to \$8.50 per gross; ½ in., \$9.25 to \$9.50; ¾ in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—A moderate demand is to be noted. Discounts 60, 10 and 5 per

cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—The demand is fair. We quote: "New Leader" "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BELTING—Business is still fair. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

BUILDING PAPER—Trade is just moderate. We quote: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred; Northumberland plain, 30c.; ditto, tarred, 40c.; ditto, saturated, \$1.50 per 100 lb.; asbestos paper, 6½c. per lb.

CEMENT—The demand is decreasing, but prices continue steady at unchanged figures. We quote in barrel lots as follows: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.50; Canadian hydraulic cements, \$1 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

METALS.

Tin and copper are decidedly strong. Pig iron is rather easier, although quotably unchanged locally. Other metals remain much as before.

PIG IRON—The market is a little easier in the United States. We hear of no trans-

actions. We quote as follows: United States pig iron f. o. b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80. Hamilton iron, No. 1, in 100-ton lots, \$14. on track Toronto.

BAR IRON—Very little doing. We quote base price \$1.45 from stock, and \$1.35 from factory.

HOOP AND BAND IRON—Trade is fair. We quote: 1 to 6 inch, \$1.65 from factory, and \$1.75 per 100 lb. from stock.

SHEET STEEL—The demand keeps active. We quote as follows: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Still quiet. We quote as follows: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—The demand for galvanized iron continues brisk at unchanged prices. We quote: Queen's Head (case lots), 16 gauge, 3½c.; 18 to 24, \$3.87½c.; 26, W. G. 4½c.; 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, \$4; 26 gauge, \$3.75; 22 to 24 gauge, \$3.50. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are ¼c. per lb. higher than figures named.

INGOT COPPER—Prices are being firmly held, although there is not much business being done. We quote: 12½c. per lb. for quantities and 13c. for small lots.

INGOT TIN—The market has been strong, but advices from New York state that prices are somewhat uncertain. Speculation has moderated in London, England, and operations have been conducted conservatively in consequence. We quote: Straits, 18½c. per lb.; Lamb and Flag, 19c. per lb.

SHEATHING COPPER, ETC.—Business is still fair for roofing and braziers' copper. We quote as follows: Sheathing copper, 16 to 17c., according to weight and quantity; braziers', 15½ to 17½c. per lb., according to gauge.

PIG LEAD—The market is a little easier and there is not much doing. We quote: 4c. per lb.

LEAD PIPE—Trade is good. We quote: Ordinary pipe, 7c., and composition waste, 7½c., with 25 per cent. discount.

TUBING—Prices are firm and unchanged.

A good business is reported. We quote: Block tin, 30c., and tin lined, 15c., with 10 to 20 per cent. discount.

IRON PIPE—The demand is good, and Canadian makers are being taxed to complete orders. We quote: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.25; ½ inch, \$2.25 to \$2.30; ¾ inch, \$2.65 to \$2.70; 1 inch, \$3.75 to \$3.80; 1¼ inch, \$4.85 to \$4.90; 1½ inch, \$6.45 to \$6.50; 2 inch, \$8.70 to \$8.80. Galvanized, ¾ inch, \$3.20; ½ inch, \$3.55 to \$3.60; ¾ inch, \$4.30 to \$4.35; 1 inch, \$6; 1¼ inch, \$8.25 to \$8.50; 1½ inch, \$10.50; 2 inch, \$14.25.

RANGE BOILERS—Are going out well. We quote: Galvanized, 30 gals. \$5.25; 35 gal., \$6; 40 gal., \$7; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES—The cooler weather has increased the demand for Canada plates. We quote: All-bright, \$2.85 to \$3; half-polished, \$2.35; all-dull, \$2.25.

TINPLATES—The market is strong, but there is very little doing. We quote: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

COIL CHAIN—Quiet. We quote as follows: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ¾ in., \$2.80; ¾ in., \$2.75.

TINNED IRON—Not much doing. We quote: In case lots for 22 to 24 gauge, and 2¾c. in lesser quantities; cut to size, 24 gauge, case lots, 4¾c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6¼c. for small lots.

SHEET ZINC—Trade is quiet. We quote: 6¼c. for case lots and 6½c. for smaller quantities.

SOLDER—Trade is merely steady, with prices firm. Strictly half-and-half, 13c.; standard, 12½c. per lb.

ZINC SPELTER—Quiet. We quote 5¾c. for ton lots and 5½c. for small quantities.

PAINTS AND OILS.

The market is featureless this week. There is a good, steady trade being done in all lines, though the movement of varnishes is not quite as good as expected. Turpentine continues to stiffen in the primary market, where it has advanced ¾c. during this week, but, locally, there is no change. White lead is steady, and may be counted to continue unchanged in price for the rest of the year. Linseed oil is firm; in fact, everything but castor oil is reported firm and unchanged.

We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

For Sale. In the up-town residential part of Montreal, a well stocked Hardware Store, doing a good retail coal oil trade, and a good plumbing jobbing business in connection. Well established. A splendid chance for a live man with a little capital. Address, MacLean Publishing Co., Montreal.

KNOX HENRY.

Heavy Hardware and Metal Broker
Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—Don't forget "C" Horse Nails lead the market. Every nail guaranteed. Supply your blacksmiths with them and they will call on you again. Bolts, Tire and Stove. Rivets of all kinds. Horseshoes. Agent for Chalcraft Screw Co.

SPORTSMEN

NOTE

THE ABBEY IMPROVED CHILLED SHOT NEWCASTLE, ENGLAND.

Is made by a New Process, and is highly spoken of by Sportsmen and Sporting Papers. Kills at greater distance than Soft Shot. Gunmakers wishing repeat orders should load with this shot.

America's FAMOUS

Washing Machine.

Manufactured by the

Toronto Special Machinery Co.

154 Spadina Ave., Toronto, Ont.

This is the only Practical Washer on the market. Actual trials have proved that it will wash cleaner, more easily and quickly, with less wear on the clothes, than any other machine in use. SEND FOR PRICES AND TERMS TO DEALERS.

FRANK H. SCOTT

English and Foreign Manufacturers' Agent, 27A Temple Building, 185 St. James Street, Montreal. Representing Hawksworth, Eyre & Co., Sheffield, Silver and Plated Goods. Specialties: Candlesticks, Candleabra and Lamps—Maleham & Yeomans, Sheffield, Cutlery—James & F. O. Wild, Sheffield, Steel and Files—Theodor Fischer, Solingen, Germany, Scissors, Shears, Etc.

A Full Range of Samples on View.

THE ...
UNRIVALLED



Brilliant St. Antoine

METAL
POLISH.

Free from acids.

Most useful for household articles, musical instruments, jewellery, harness, etc. Highly recommended by fire brigades, railway and steamship companies.

SEND FOR QUOTATIONS.

Also manufacturers of Mucilage, Ink and the famous St. Antoine Cement for glass and china ware.

THE VICTORIA CHEMICAL WORKS CO.
MONTREAL

ADAM HOPE & CO.

30 John Street, - Hamilton

OFFER TO THE TRADE

Charcoal Tin Plates

"Hope's Old Method"

"Allandale"

Coke and Terne Plates

Canada Plates

HALF POLISHED
ALL POLISHED

Galvanized Sheets

"Queen's Head"

"Best Best Poplar"

"Junata"

All sizes and gauges.

Write for prices.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 49c.; boiled, 1 to 4 barrels, 52c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 48c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

Business in window glass is "on the hum." The stocks of country dealers and, to a certain extent, of jobbers are well broken up, and dealers do not seem anxious to get rid of many sizes. The feeling is consequently decidedly firm. There is a good movement in plate and ornamental glass. We quote as follows: First break in 50-foot boxes, \$1.70 and in 100-foot boxes, \$3.20; double diamond under 25 united inches, \$4.75, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL.

A good business is reported, with prices steady and unaltered. We quote as follows: Agricultural scrap, 47½c. per cwt.; machinery cast, 55c. per cwt.; stove cast scrap, 32c.; No. 1 wrought scrap, 40 to 50c. per 100 lb.; No. 2, including sheet iron and hoop iron, 10½c.; new light scrap copper, 8c. per lb.; bottoms, 8¼c.; heavy copper, 8¼ to 8½c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2c.; scrap rubber, 3½ to 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

COAL.


The difficulty of securing cars for transporting is seriously affecting the filling of orders. Prices are stiffening, and an advance is anticipated. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

PETROLEUM.

There is a good movement, but the feeling is rather easier than it has been. We quote

76,800 Daily Production.
5 Factories.
5 Brands.

For Sale all
over the world.



NICHOLSON
FILES

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of
America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited.

Established 1773.

Manufacturers of POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS. Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass," St. Helens. Telephone No. 68 St. Helens.

CLOSED.



BARCLAY'S PATENT "TRIUMPH"

Adjustable Stove Pipe

Can be put up by the most inexperienced.
So constructed that when taken down can
be nested and stored in small compass.

Manufactured by

G. B. BARCLAY

168 Adelaide St. W.

TORONTO

NESTED.



In Crates of 25.

...BRUSHES...

Now is the time to get prices for fall stock of

DANDY BRUSHES

HORSE BRUSHES, Leather Backs

HORSE BRUSHES, Wood Backs

STOVE BRUSHES

Write us for prices and samples, or wait for our travellers.

MEAKINS & CO.

313 St. Paul Street

MONTREAL

Always to the Front.

The "Globe" Brand always supplies the demand for Files and Rasps of a high grade, and the "Crescent" Brand, which is a first quality article, is rapidly taking the place of the fictitious brands of American files, which have been thrown on this market to be sold at any price.



Our goods are standard, and our prices always right.

THE GLOBE FILE MFG. CO.

Port Hope, Ontario.

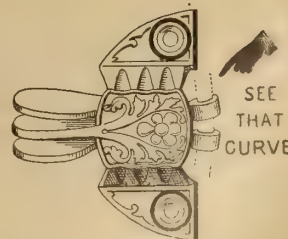
The Philosophy of the Cooke Sash Lock:

"A straight rod can't pass through holes that are not in line."

"The Rod of the Cooke Sash Lock is straight."

"The Holes in the lugs are never in line except when thumb pieces are pressed together."

"You can't forget to lock securely; when your hand leaves the thumb pieces, the sash is locked."



SEE
THAT
CURVE

COOKE HARDWARE CO.

HAMILTON, ONT.

HIDES, SKINS AND WOOL.

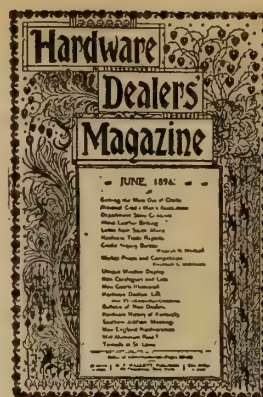
SEEDS.

MARKET NOTES.

LIGNITE AS FUEL.

THE CANADA SCREW CO.

PERSONAL MENTION.



The Toronto Patent Agency



1078 BLOOR STREET WEST, TORONTO.

Established 1860.

Incorporated 1895



"CRESCENT" STEEL AGATE WARE.

Genuine Mottled Gray.

We make different kinds of Enamelled Ware, but our experience has been that no other color will stand the hard usage that Enamelled Ware is subjected to as well as the Genuine "Crescent" Mottled Gray. The ingredients used in its manufacture have to be of the very purest to produce the Mottled Gray Color.

We would also draw attention to the Steel Handle shown on Tea-pot in cut, which is firmly rivetted on to stay, is cool and neat. Write for catalogue.

THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL, QUE.

John Bowman Hardware and Coal Co.

180 to 182 York St. - LONDON, ONT.

Headquarters for SMOKELESS POWDERS

BLUE RIBBON HAZARD

SCHULTZE HARD GRAIN

GOLD DUST

Also full line new Guns, Sporting Goods, Etc.

LARGE STOCK

PROMPT SHIPMENT

CLOSE PRICES

About Horse-Shoe Nails:—

It is a matter of considerable importance to every purchaser or consumer of horse-shoe nails, that the best only shall be procured. It does not make so much difference with other nails, which are driven in wood. But with horse nails, as they are only used to attach a shoe to a horse's foot, which is a sensitive, vital structure, it is most important that the nails used should be perfect in every respect; of the best material and pattern, and free from "splits" or liability to fracture, etc. One imperfect nail, badly driven, may result in permanent disability or lameness to a horse. It is false economy, and poor buying, to take any risk when you can avoid it.

Our "C" brand horse nails have been manufactured and sold in Canada since 1865,—a period of 32 years. They have been, and are still, the standard horse nails of Canada for quality and pattern, and are without a superior anywhere. We use only the best selected Swedish (Norway) charcoal iron rolled nail rods; the best material known for the purpose. These rods are hot forged by machinery, which gives all the advantage of the old-fashioned hand-hammered process, but with greater uniformity. After being pointed and finished by patented machinery, used only in our works in Canada, they are all further examined singly by hand, and every nail not up to our high standard for "C" brand, is thrown out for scrap or "culls." Every horse shoe nail we sell under our "C" brand is warranted perfect and ready for immediate use. They will be replaced free of charge if found otherwise to any purchaser. If the dealer from whom you usually purchase cannot, or will not supply you with our nails, write us direct and we will give your name to nearest dealers who will supply the "C" brand. Samples and price lists furnished on application.

CANADA HORSE NAIL COMPANY

MONTREAL.

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

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Telephone 689.

Cable "LeVesconte" Toronto.

**VanTuyl & Fairbank**

Petrolia, Ont.

Headquarters for ..

Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.**PARIS ELECTRO PLATING CO.**

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings
Piano Stool Feet, Novelties, etc. Bicycle Work
a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.

STEEL LETTERS AND FIGURES.**STEEL STAMPS.****STENCIL LETTERS AND BRANDS.**If your Jobber does not keep them, write
direct to the manufacturers,**Hamilton Stamp & Stencil Works****HAMILTON, ONT.**

Send for our 100 page Catalogue.

**The Portland Rolling
Mills Co., Limited**

Manufacturers of

Refined Bar Iron

Railway Spikes

Pressed Spikes

Nails and Tacks

"Diamond" Brand Horse Shoes

ST. JOHN, N.B.**"JARDINE"****TIRE UPSETTERS
WILL UPSET TIRES**Some machines sold as Upsetters will not.
Perhaps you make as much money on the
sale of a useless Upsetter as on a good
one, but your customer does not. He
don't want a machine because it is called
an Upsetter; he wants a machine to upset
tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

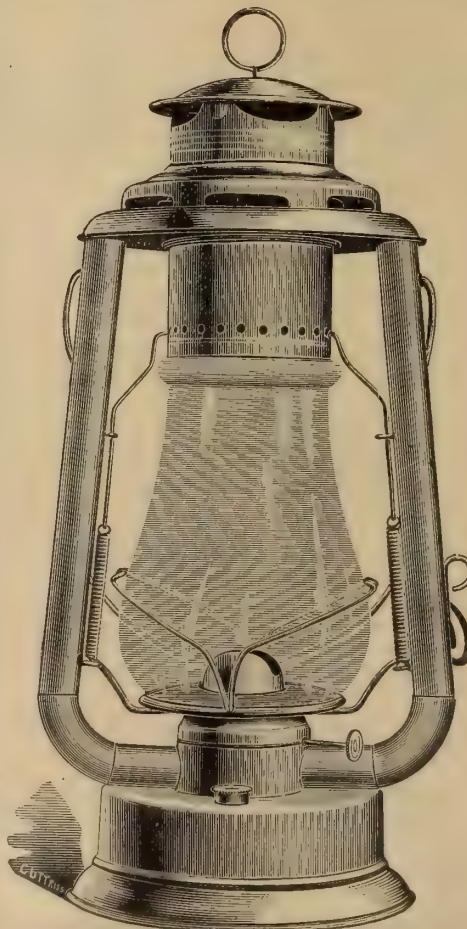
**A. B. JARDINE & CO.
HESPELER, ONT.****Brush Points.**

No better
tribute to any article could be asked for than success,
for **that** shows the public appreciation of it. You
could not ask for stronger proof—there is none!

Boeckhs' Patent Bridled Brush for Painters is a suc-
cess. It out-sells, out-classes and will out-live all other
so-called bridles whose merit rests on **theory**.

Reasons Why—The Bridle is liquid-proof and flexible. It can be taken off and replaced in
a second, when the brush needs cleaning. It prevents that hard knot in the centre of the bristles
that twine or wire never fail to cause.

Book all about it—free by addressing

Boeckh Bros. & Company, Mfrs.
Toronto, Ont.Montreal Branch—
1 and 3 De Bresoles St.**Boeckhs'
Bridled
Brush.****Light! Light!**

"The Royal Cold Blast is
the best Tubular Lantern in
the world" (so writes one of
our largest customers under re-
cent date).

Largest and whitest flame
that will stand the wind.

Royal Cold Blast Lanterns
are complete with the Safety
Extinguishing Burner, and are
made of the very best material,
and warranted to burn any grade
of Kerosene. Steady white
flame and wind-proof.

Manufactured by

**The ONTARIO LANTERN CO.
HAMILTON, ONT.****WALTER GROSE, Montreal, P.Q.
(42) SELLING AGENT.**

ACETYLENE GAS IN ENGLAND.

"There can be no doubt," says The Journal of Acetylene Gas Lighting, "that the demonstration of acetylene lighting organized at the Imperial Institute, is responsible for a substantial impulse felt by the general public in the means of illumination surrounded by so many interesting features, though it can hardly be expected that the results of this highly successful exhibition will be fully felt for some time to come. The array of generators at the institute which have worked, as a whole, without a hitch during a considerable period, must satisfy any reasonable person of the safety and innocuous nature of the illuminant; whilst its beautiful appearance, as displayed in the galleries, have been apparent to, and acknowledged by, all. As we have said, the stimulus afforded to the industry by the exhibition at the Imperial Institute will not, probably, be felt in its full force at first. Its chief merit, perhaps, consists mainly in its educational character, and it has to be viewed in this light by those exhibitors at the Imperial Institute, whose expectations of a purely commercial character have, perhaps, not been fulfilled."

HOW A BUYER WAS IMPRESSED.

I was going along a street in Edinburgh, on the way to Leith, and, window display caused me to linger, remarks a writer in an exchange. The shop was not a large one, but the trimmer understood his business, for the goods were arranged with an eye to effect, and the dress and other materials which would not interest a man were set off by the tasteful display of some small articles. Price - tickets everywhere. I wanted to buy a present and entered. At once the eye noticed that the shop was a small one, not likely to attract a casual purchaser except for the excellent window display. The first thought was to go out and try some larger place; but, being in, enquiry was made to examine one of the smaller articles shown in the window—a pair of glove stretchers. The salesman knew his business, and the article was purchased. Sizing up his customer for a stranger, he produced one or two other things. The end was a purchase amounting to 5s., instead of 1s. as at first intended. Perhaps good salesmanship was a strong factor, but the window display started the thing.

The iron works of The Nova Scotia Steel Co., Limited, at Ferrona and Bridgeville, N.S., are in full blast. Large quantities of iron ore are being received from Newfoundland, which is turned into pig iron and shipped to all parts of the Dominion. The company's steel works at Trenton are working full time and turning out a lot of work.

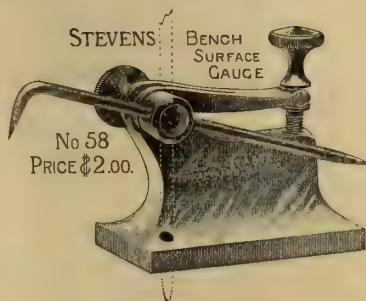
STANDARD TOOLS.

When placing orders for Edge Tools and Axes always specify "**Warnock's.**"

EVERY TOOL GUARANTEED.

James Warnock & Co., Galt.

STEVENS ...FINE TOOLS



We make a perfect line of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.

P.O. Box 216

Chicopee Falls, Mass, U.S.A.

Carried by our representatives at Toronto and Montreal.

PERFECTION AUTOMATIC REVOLVER

NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.



Forehand Arms Co.

Manufacturers of the

Forehand Guns

Worcester, Mass.

SEND FOR
CATALOGUE.

PAINTING CAN ONLY BE DONE WELL
BY USING THE BEST MATERIALS.
THESE CAN BE OBTAINED
TO BEST ADVANTAGE

— FROM —

Henderson & Potts

NOVA SCOTIA PAINT AND VARNISH WORKS.

Sole Agents for the Dominion for

Manufacturers
of ...

White Lead and Coloured Paints

Ready Mixed House and Floor Paints

Japan Coach Colors and Varnishes

Oil and Varnish Wood Stains, etc.



HALIFAX, N. S., and 747 CRAIG STREET, MONTREAL.

HEATING AND PLUMBING

HEATING AND PLUMBING CONTRACTS.

MOUNT & CO., Montreal, have the heating and plumbing of two houses for Mr. Henderson, on Grosvenor avenue.

Every member of the Ottawa Plumbers' Union is employed.

J. Burns & Co., Montreal, report six sales of large ranges in one day at their Ottawa branch.

Alex. Joss, Sarnia, Ont., has the contract for the alterations to the plumbing of the Rossin House, Sarnia.

Guest & Co., Toronto, have the contract for the plumbing of a residence on Bleeker street, for Capt. Andrews.

J. W. Hughes, Montreal, has the plumbing and heating of the store and dwelling of Mrs. Smith, St. Catharine street.

N. Laporte & Son, Montreal, have an order to supply the convent of the Sisters of Providence, at Yamachiche, Que., with an eight-foot range.

P. C. Ogilvie, Montreal, has the heating for the residence of Mrs. Dixon, Cadieux street; also the plumbing for Mr. Reid's residence, Outremont.

The Bennett & Wright Co., of Toronto, Limited, have the contract for the heating and plumbing of the new "Temple" restaurant, on Bay street.

The D. W. Karn Co., Limited, of Woodstock, Ont., will shortly refit the factory premises with new heating apparatus. The company will also put in a 200 h.p. boiler and engine.

Fiddes & Hogarth, Toronto, have the contract for the plumbing of two residences, on Bond street, for Robt. Davies, and for heating the residence of Geo. Beardmore, George street, Toronto.

Blouin, Desforges & Latourelle, Montreal, have the plumbing and heating for the convent of the Sisters of the Congregation of Notre Dame, Antigonish, N.S., and the heating for the dwelling of Mrs. Cadieux at Vercennes.

Purdy, Mansell & Co., Toronto, have the contract for heating the new factory for Geo. H. Hees, Son & Co., Davenport road; for heating the warehouse of W. J. Gage & Co., Front street, and for the hot-water heating of the Salada Tea Co.'s warehouse, on Yonge street, Toronto.

Beavis & Cook, Toronto, have the contracts for the hot-water heating of a resi-

dence for J. L. Morrison, corner Winchester and Metcalf streets; of a residence for Prof. Huirtelden, Rosedale, and of a residence for R. J. Fleming, Parliament street, and for the plumbing of a residence for Mr. Sloan, 71 Rose Avenue.

MONTREAL PLUMBERS MEET.

The master plumbers of Montreal held their regular meeting on Thursday, October 6, and it was gratifying to see an attendance of 25, considering that this is the first meeting at which a quorum could be got together since August last.

Business of importance was transacted, especially relative to the appointment of a committee to look into the city plumbing by-law, lately amended, and report at a special meeting to be called.

A committee was also appointed to interview the Council of Arts, which has the industrial schools (of which the plumbing school is one) under its control. A communication was received from the Council of Arts, asking the association to supervise the plumbing school. It was decided to call a special meeting for Thursday, October 13, to look into the plumbing school matter.

A BUSY LANTERN FACTORY.

The Ontario Lantern Co., Hamilton, Ont., is compelled to run its factory three hours overtime five nights a week to enable it to catch up with its orders for "Royal Cold Blast" and "Climax" tubular lanterns, lamps and lamp burners. The company has also just started on a large contract with the Auer Light Co., of Montreal, for a new patent gas burner.

This company will be in the market early in 1899 with its "Victor" acetylene gas bicycle lamp, which is claimed to be superior to anything yet invented.

PLUMBING AND HEATING NOTES.

W. J. McGuire & Co., Toronto, have opened up a branch of their business in Montreal.

Ross & Bradley, plumbers, Owen Sound, Ont., have dissolved, A. J. Ross continuing.

Maria Eagan, wife of John A. Peard, has registered as proprietor of J. A. Peard & Co., plumbers, Montreal.

Dunn & Stinson, plumbers, Chatham, Ont., have been awarded a diploma for the best exhibit of plumbing goods shown at the Peninsular Fair.

Plans are being prepared for a three-storey addition, 140 x 60 feet, to the factory of H. A. Lozier, manufacturer of Cleveland bicycles, Toronto Junction, by architect Ellis.

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto to W. H. Richardson, for a two-storey brick residence on Roncesvalles avenue, north of Queen street, to cost \$1,500; to the public school board, for a two-storey and basement school on the west side of Pape avenue, near Guelph avenue, to cost \$9,600, and for a similar building at the corner of Winchester and Parliament streets, to cost \$13,700; to James Laver, for alterations and additions to a residence at 581 Sherbourne street, to cost \$1,000; to A. Horton, for a two-storey and attic residence on the west side of Crescent road, near Hill street, to cost \$4,600; to G. Valentine, for a two-storey and attic residence at 472 Givens street, to cost \$1,500.

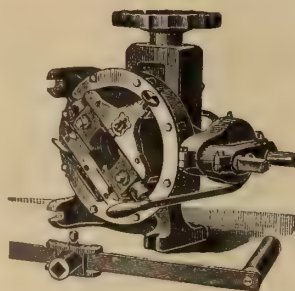
The axe factory of Blenkhorn & Sons, coal dealers and manufacturers axes, Canning, N.S., has been burned; loss estimated at \$4,000; insured for \$1,200.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.



New No. 0 Threading Machine.

THE ARMSTRONG MFG. CO.

New York Office.
139 Centre Street

Bridgeport, Conn.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of
Tinsplate, Tinned Sheets, Terne Plates, Canada Plates Gal-
vanized Sheets, Imitation Russia Sheets Black Sheets—Iron
and Steel—Hoops and Bands, Proved Coil Chain, Brass and
Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

**PATENTS
PROMPTLY SECURED**

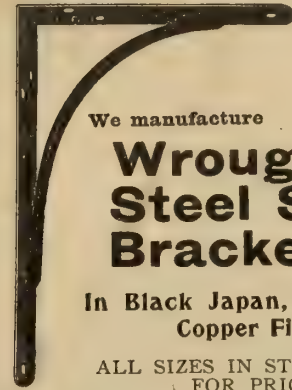
Write today for a free copy of our interesting books
"Inventors Help" and "How you are swindled."
We have extensive experience in the intricate patent
laws of 50 foreign countries. Send sketch, model or
photo. for free advice. **MARION & MARION,**
Experts, New York Life Building, Montreal, and
Atlantic Building, Washington, D. C.

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.
Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
Wholesale trade only.

**IRON PIPE
and FITTINGS**

Valves and appliances for

**STEAM and HOT WATER
HEATING.****THE JAS. MORRISON BRASS MFG. CO.**
TORONTO Limited

We manufacture

**Wrought
Steel Shelf
Brackets**In Black Japan, Nickel and
Copper Finish.ALL SIZES IN STOCK. SEND
FOR PRICES.**H. R. IVES & CO., Montreal.****Good Luck***Dry Fibre Brand of
Felt Sheeting*

Manufactured by

LOCKERBY & McCOMB

Manufacturers of

All Kinds of Roofing Paper

Pitch and Coal Tar

65 Shannon Street
..... MONTREAL**ACETYLENE COMING
GAS THE LIGHT**

The

**Cliff-Wardlaw
Generator**

is the only absolutely Automatic Gas Machine in the market.
It is safe, clean, economical, easy to operate, never heats nor
allows the burners to clog. Manufactured only by

THE SAFETY LIGHT & HEAT CO.Write for one of
their booklets.

— Dundas, Ont.

Caverhill, Learmont & Co.We have now in
stock ...**MONTREAL****40,000 Pairs of Skates**

including BOKER'S HOCKEY and RACING PATTERNS.
As in the past, we are one year ahead of the Trade in styles.

**Ladies' Hockey Skates**

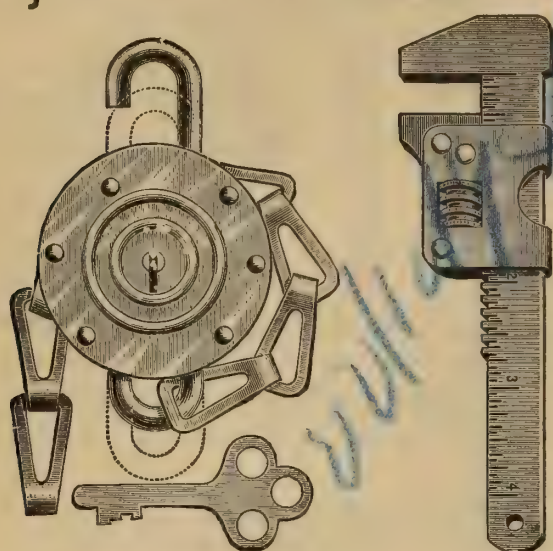
A SPECIALTY.

**Hockey Sticks
Pucks, etc.**

SEND FOR 1898-9 CATALOGUE.

Bicycle Sundries

Toe Clips, Coasters,
Wrenches, and
BICYCLE PAD LOCKS



Also . . .

"Giant" Metal Sash Chain, Pulleys, "Red Metal"
and Steel Chain---Pad Locks, and Rat Traps.

Manufactured by

THE SMITH & EGGE MFG. CO.

Send for
Sundry Catalogue.

Bridgeport, Conn., U.S.A.

EXTENDED INSURANCE.

One of the many liberal features embodied in the
UNCONDITIONAL ACCUMULATIVE POLICY
issued by the

Confederation Life Association.

HEAD OFFICE--TORONTO,

is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

Rates and full information sent on application to the Head Office, Toronto, or to any of the association's agents.

W. C. Macdonald,

Actuary.

J. K. MACDONALD,

Managing Director

F D R
A O I
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R I H
B N E
A I L
N O I
K N E
S AND U

We recognize the fact that everyone
does not feel able to pay the price which recompenses us
for the material, work and skill put into

Fairbanks Standard Scales

We therefore offer for such trade the best line of cheap
scales made. Each one inspected by the Government.

Write for circular and
prices, and ask us to
quote you on

Nicholson and American Files.
Chatillon Spring Balances.
Factory and Mill Supplies.



Fairbanks Dominion Platform
Fairbanks Richelieu Union

SCALES

THE FAIRBANKS COMPANY

749 Craig St.

MONTREAL

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

MONTREAL, QUE.

WM. B. STEWART, Agent, 20 Front Street East, TORONTO.

Tel. 94.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
 Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
 Central Fire, Military and Sporting, Amer. net list. B.E. Caps, discount 45 per cent. Amer.
 Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.

Shot.
 Canadian, common, 7½ per cent.
 Brass Shot Shells, 55 and 10 per cent.
 Poppers, Dom., 30 per cent.
 Wads.

Best thick white felt wadding, in ½-lb bags, 1 00
 Best thick brown or grey felt wads, in ½ lb. bags, 0 70
 Best thick white card wads, in boxes of 500 each, 12 and smaller gauges 0 99
 Best thick white card wads, in boxes of 500 each, 10 gauge 0 35
 Best thick white card wads, in boxes of 500 each, 8 gauge 0 55
 Thin card wads, in boxes of 1,000 each, 12 and smaller gauges 0 20
 Thin card wads, in boxes of 1,000 each, 10 gauge 0 25
 Thin card wads in boxes of 1,000 each 8 gauge 0 25
 Chemically prepared black edge grey cloth wads, in boxes of 250 each—
 11 and smaller gauge 0 60
 9 and 10 gauges 0 70
 7 and 8 gauges 0 90
 5 and 6 gauges 1 10
 Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
 11 and smaller gauge 1 15
 9 and 10 gauges 1 40
 7 and 8 gauges 1 65
 5 and 6 gauges 1 90

Anvils.
 Per lb. 0 10 0 12½
 Anvil and Vice combined, each 4 50
 Wilkinson & Co.'s Anvils, lb. 09 09½
 Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
 Gilmour's, discount 65 p.c. off revised list.
 Hollow Stearn's, per dozen 13 00 20 00
 Adjustable Stearn's, each 4 50 6 50
 Post-hole, Vaughan's, each 60 90
 Excelsior, Jennings', discount 50 per cent.

Awls.
 Sewing, per gross 0 65 1 59
 Pegging, " 0 65 1 25
 Brad, " 0 85 1 60
 " handled, per gross 3 60 30
 Saddler's, per gross 0 45 1 60

Awl Hafts.
 Patent Peg, per gross 7 25 8 00
 " Sewing, per gross 7 25 8 00

Awl and Tool Sets.
 Millar's Falls, per doz. 2 80 3 30

AXES.
 Splitting Axes 5 25 5 50
 Chopping Axes—
 Single List, per doz. 6 00 12 00
 Double List, " 11 00 18 00
 Bench Axes, 40 and 10 p.c.

Axle Grease.
 Per gross 6 00 13 00

Bath Tubs.
 Zinc, discount 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list.
 Boxed extra

Anti-Friction Metal.
 "Tandem" A..... per lb. 0 19
 " B..... " 0 16
 " C..... " 0 10½
 Magnolia Anti-Friction Metal, per lb. 0 25
 No Name Metal..... " 0 15
 Mystic Metal..... " 0 10
 F. O. B. New York or Chicago.

Bells.
 Hand.
 Brass, 60 per cent.
 Nickel, 55 per cent.

Door.
 Gongs Sargent's 5 50 8 00
 " Peterboro', discount 50 per cent.
 Cow.
 American make, discount 66½ per cent.
 Canadian, discount 45 and 50 per cent.

Farm.
 American, each 1 25 3 00
 American, per 0 35 0 40

House.
 Hand, per doz. 3 35 4 75
 Moulding, per doz. 7 50 10 00
 Black, "ths, discount 60 per cent.

Belting.
 Extra, 45 per cent.
 Standard, 45 and 10 per cent.
 Agricultural, 60 and 10 p.c.

Bench Stops.
 Per doz 5 00 6 00

Bits.
 Auger.
 Gilmour's, discount 65 and 5 per cent.
 Excelsior, discount 60 per cent.
 Rockford Common, 70 to 70 and 10 per cent.
 " Perfection, 50 and 10 per cent.
 Jennings' Gen., net list to 5 p. c. discount.
 Car.
 Gilmour's, 47½ to 50 per cent.
 Expansive.
 Clark's 40 per cent.
 Excelsior, 10 per cent.

Boles.
 Annex, per doz 1 25 1 75
 Mascott, " 1 35 1 85
 Erminie, " 1 00 0 00

Blind and Bed Staples.
 All sizes, per lb 7½ 0 12

Bolts.
 Carriage, dis. 60 and 10 to 70 p.c.
 Tire, dis. 70 and 5 per cent.
 Stove dis. 70 per cent.
 Elevator, dis. 35 to 40 per cent
 Machine, dis. 70 p.c.
 Coach Screws, dis. 70 and 10 p.c.
 Plough bolts, 60 p.c

Boring Machines.
 Complete, with augers, each 5 00 7 50

Braces.
 Barber's 6 00 7 75
 Barber's Ratchet 10 00 11 00
 Farmers 2 00 2 75
 Millar's Falls 15 50 29 00

Brackets.
 Shelf.
 Japanned Canadian, per doz. 0 50 3 40
 pairs 0 85 3 20
 Berlin Bronze Canadian 0 85 3 20

Broilers.
 Light, dis. 65 to 67½ per cent.
 Reversible, dis. 65 to 67½ per cent.
 Vegetable, per doz., dis. 37½ per cent.
 Henis, No. 8, " 6 00
 Henis, No. 9, " 7 00
 Queen City 7 50 0 00

Butchers' Cleavers.
 German, per doz. 6 00 11 00
 American, per doz. 12 00 20 00

Butts.
 Brass.
 Wrought Brass, dis. 17½ p.c. revised list.

Cast Iron.
 Loose Pin, dis. 70 per cent.

Wrought Steel.
 Fast Joint, dis. 70, 10 and 5 to 75 p.c.
 Loose Pins, dis. 70, 10 and 5 to 75 p.c.
 Berlin Bronzed, dis. 70, 70 and 5 per cent.
 Gen. Bronzed, per pair 0 40 0 65

Can Openers.
 Acme, per gross 9 00 10 00
 Sardine Scissors, per doz 3 75 4 50

Card.
 Horse, per doz. 0 60 1 00

Carpet Stretchers.
 American, per doz 1 00 1 50
 Bullards, per doz 6 50

Carpet Sweepers.
 Bissell, per doz 22 50
 World, " 21 75
 Daisy, " 24 00
 Star " 18 00
 Crown Jewel, per doz. 29 00
 Grand Rapids, " 24 00 33 00

Cartridges.
 (See Ammunition.)

Castors.
 Bed new list, dis. 55 to 57½ per cent.
 Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
 Nos 31 and 32, per gross 8 50 50

Cement.
 Canadian, Portland 2 50
 English 2 85
 Belgium 2 75
 Canadian hydraulic 1 20
 Figures are for barrel lots.

Chalk.
 Carpenters Colored, per gross 0 45 0 75
 White lump, per cwt 0 60 0 65
 Red 0 05 0 06
 Crayon, per gross 0 14 0 13

Chisels.
 Socket, Framing and Firmer.
 American, dis. 75 per cent.
 Canadian, dis. 40 and 5 per cent.
 Tanged firmer, per doz 0 85 4 00

Churns.
 Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.

Clamps.
 Judd's, dis. 20 per cent.
 Stearn's, per doz 3 00 10 00

Clips.
 Axle dis. 65 per cent.

Closets.
 Washout, plain 3 25
 " embossed 3 50

Coffee Mills.
 Box 3 60 13 00
 Side 3 60 4 00
 Enterprise, No. 0 1 35
 " No. 2 70

Compasses, Dividers, Etc.
 American, dis. 62½ to 65 per cent

Cradles, Grain.
 Canadian, dis. 20 per cent.

Dies.
 Hart Mfg. Co. (pipe es), (Amer. list), dis 40 per cent.
 Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
 Torrey's Rod, per doz. (15 p.c. 2 00
 Coil, per doz. 0 88 1 60
 English per doz. 2 00 4 00

Draw Knives.
 American, dis. 70 and 10 per cent.
 Canadian, dis. 25, 50 and 10 per cent.

Drills.
 Hand and Breast
 Millar Falls, per doz. 16 00 51 50
 P. S. & W., dis. 40 per cent.

DRILL BIT.
 Morse, dis. 37½ to 40 per cent.
 Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
 Stovepipe.
 Per doz 85 1 70

FAWCETS.
 Cork Lined, per doz. 0 30 0 35
 Wine, per doz. 1 30 3 25
 Star, " 2 80 3 90
 Fenn's Corkstops, No. 2, per dozen 1 70
 Petroleum, per doz. 4 50 6 50

FILES.
 Globe File Mfg. Co.'s dis., files, 50 and 10 to 70 per cent.
 Black Diamond, 50 and 10 to 60 per cent.
 Kearney & Foote, 60 and 10 to 60 per cent. to 60, 10, 10
 Nicholson File Co., 50 and 10 to 60 per cent.
 Jowitt's, English list, 25 to 27½ per cent.
 American, 60 to 60 and 5 per cent.
 Great Western, 60 and 10 per cent.
 Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.

FLUTING MACHINES.
 Each 0 60 2 00

FORKS.
 Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS.
 Ice Cream.
 Gem from \$1.25 to \$7 net.
 White Mountain, 1 to 25 qt. 1 35 13 50
 Arctic, dis. 50 p.c.

FRUIT PRESSES.
 Henis, per doz. 3 25 3 50
 Shepard's Queen City, dis. 15 per cent.

FRY PANS.
 Acme, dis. 65 to 67½ per cent.

GAUGES.
 Marking, Mortise, Etc.
 Stanley's, dis. 50 to 55 per cent.

Wire Gauges.
 Winn's, Nos. 26 to 33, each 1 65 2 40

GLASS.
 Window.
 Box Price.
 Size United Per Star. Double Per Diamond.
 Inches. 50 ft. 100 ft. 100 ft.
 Under 25 1 70 3 20 4 75
 26 to 40 1 85 3 50 5 25
 41 to 50 3 90 6 00
 51 to 60 4 20 6 75
 61 to 70 4 50 7 50
 71 to 80 4 90 8 50
 81 to 85 5 50 9 50
 86 to 90 6 50 11 25
 91 to 95 11 00 13 00
 96 to 100 15 00 17 00
 101 to 105 17 00 21 00
 106 to 110 21 00

GLUE POTS.
 Tinned, each 0 30
 Enamelled each 0 55

GRINDSTONE FIXTURES.
 Per doz. 3 60 4 00

HALTERS.
 Rope, ¾ per gross 8 25 8 50
 " ½ " 9 25 9 50
 " ¼ " 11 00 11 25
 Leather, 1 in., per doz. 3 87½
 1½ in. 5 15 5 25
 Web, — per doz. 1 87 2 40

HAMMERS.
 Nail
 Maydole's, dis. 5 to 10 per cent. Can., dis 25 to 27½ per cent.

Tack.
 Magnetic per doz. 1 10 1 20
 Sledge.
 Canadian, per lb 0 07½ 0 08½
 Ball Pean.
 English and Can., per lb. 0 22 25

HANDLES.
 Axe, per doz., net, 1 50 2 00
 Store door, per doz 1 00 1 50
 Chest, per doz. pairs. 0 40 2 50

Chisel.
 Firm er, per gross 3 00 4 50
 Socket Firmer, per gross 3 25 8 00
 Socket Framing, per gross 3 75 5 00

Fork.
 C. & B., dis. 45 per cent. rev. list.

Hoe.
 C. & B., dis. 45 per cent. rev. list.

Saw.
 American, per doz. 1 00 1 25

Plane.
 American, per gross 3 15 3 75
 Hammer and Hatchet.
 Canadian, 45 per cent.

Cross-Cut Saw.
 Canadian, per pair 0 13½ 0 20

HANGERS.
 Door, 4 and 5 inch, per pair. 0 40 0 50
 Lanes, 62½ per cent.

HATCHETS.
 Canadian, dis. 40 to 42½ per cent

HINGES.
 Blind, Parker's, dis. 60 and 10 to 65 per cent
 " Shepard's Noiseless, dis. 60 per cent.
 " Buffalo, dis. 60 to 70 p. c.
 Light T and strap, 70 and 10 p.c.
 Heavy, per lb. 0 03½ 0 04½
 Screw hook and hinge 3 15
 6 to 12 in., per 100 lbs. 2 35
 14 in. up, per 100 lbs. 2 35
 Screw Eureka 1 13 1 80
 Gate, Clark's 1 50 2 20
 " Shepard's, dis. 50 to 60 per cent.
 Spring 9 50
 " Shepard's Samson 1 20

HOES.
 Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
 Planter, per doz. 4 00

HOOKS.
 Cast Iron.
 Bird Cage, per doz 0 50 1 10
 Clothes Line, per doz 0 27 0 63
 Harness, per doz 0 72 0 88
 Hat and Coat, per gross 1 00 3 00
 Chandelier, per doz 0 50 1 00

Wrought Iron.
 Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
 Hat and coat, dis. 60 to 60 and 10 p.c.
 Belt, per 1,000 0 60 0 70
 Screw, bright, dis. 65 and 10 per cent

HORSE NAILS.
 "P. B.", dis. 50 p.c.
 "C" brand, 50 p.c. dis. } Oval head.
 "M" brand 50 p.c.
 Acadian, 50 and 20 p.c., countersunk head.

HORSE SHOES.
 Iron Shoes. F.O.B. Montreal Toronto*
 Light, medium, and heavy.. 3 15 3 25
 Snow shoes 3 40 3 50
 Steel Shoes.
 Light, all sizes 3 35 3 45
 Extra light 4 50 4 60
 Toe weight (steel) 5 50 5 60
 *Also Hamilton, London, Guelph, St. John Halifax.

ICE PICKS.
 Star, per doz. 3 00 3 25

KETTLES.
 Brass spun, 7½ p.c. dis. off new list.
 Copper, per lb. 0 30 35
 American, 60 and 10 to 65 and 5 p.c.

KEYS.
 Lock, Can., dis. 50 p.c.
 Cabinet, trunk, and padlock, Am. per gross 1 60

KNOBS.
 Door, japanned and N.P., per doz. 0 90
 Bronze, Berlin, per doz. 2 75 3 25
 Bronze Genuine, " 6 00 9 00
 Shutter, porcelain, F. & L. screw per gross 1 30 4 00

KNIVES.
 Clause, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.
 Christie, bread, cake, and paring knives, \$7.00 doz. sets, with 10 p.c. off.
 Hay knives, spear point, L or T handle, 60 10 and 5 per cent.
 Lightning, per doz. 6 50 8 40
 Heath's, \$7.75 net.

LADLES.
 Melting, per doz. 1 70 4 50

LEMON SQUEEZERS.
 Porcelain lined, per doz. 2 20 5 60
 Galvanized, " 1 87 3 85
 King, wood, " 2 75 2 90

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As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays to any address on receipt of

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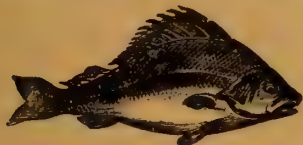
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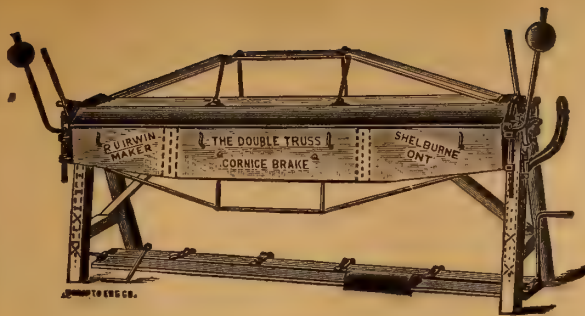
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The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X.

MONTREAL AND TORONTO, OCTOBER 22, 1898.

NO. 43



The name and trade mark appear on each box and bar and besides this, the words "Manufactured in U.S." and "Patented June 3, 1890" are stamped on the under side of each bar.

Magnolia Metal

Best Anti-Friction Metal for
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GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

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men may go, but I go on
forever."



The poet was only speaking
of a brook, but the same is true of other things—
Galvanized Iron, for instance. Other brands come and go,
have a run for a season or two, and then drop out, but
"Queen's Head" goes on, year after year, always gaining in
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Without bolts, rods or packing in a single pipe connection
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Handsome as a Radiator can be—light,
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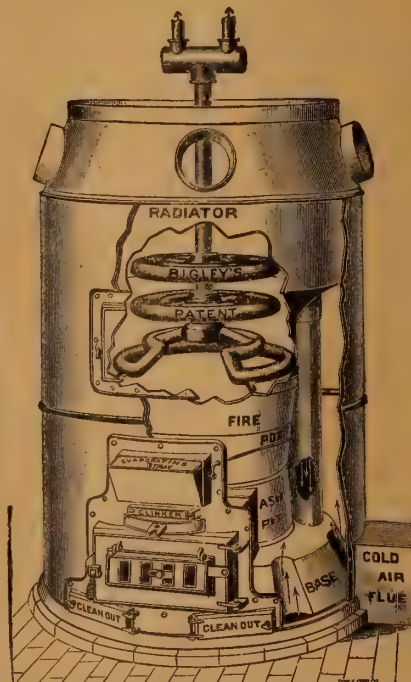
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The Toronto Steel-Clad Bath and Metal Co., Limited,
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Made in
8 Sizes.



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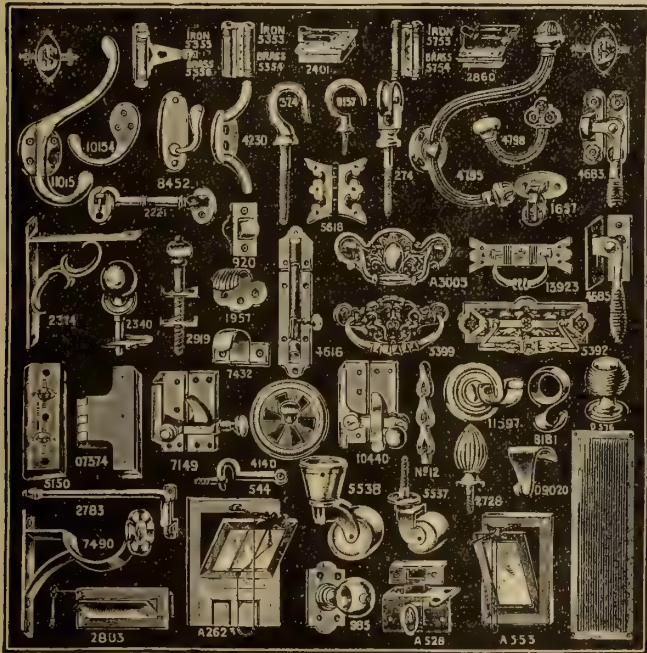
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R. BIGLEY 96 and 98 Queen Street East, **TORONTO**

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Manufacturers of every description of

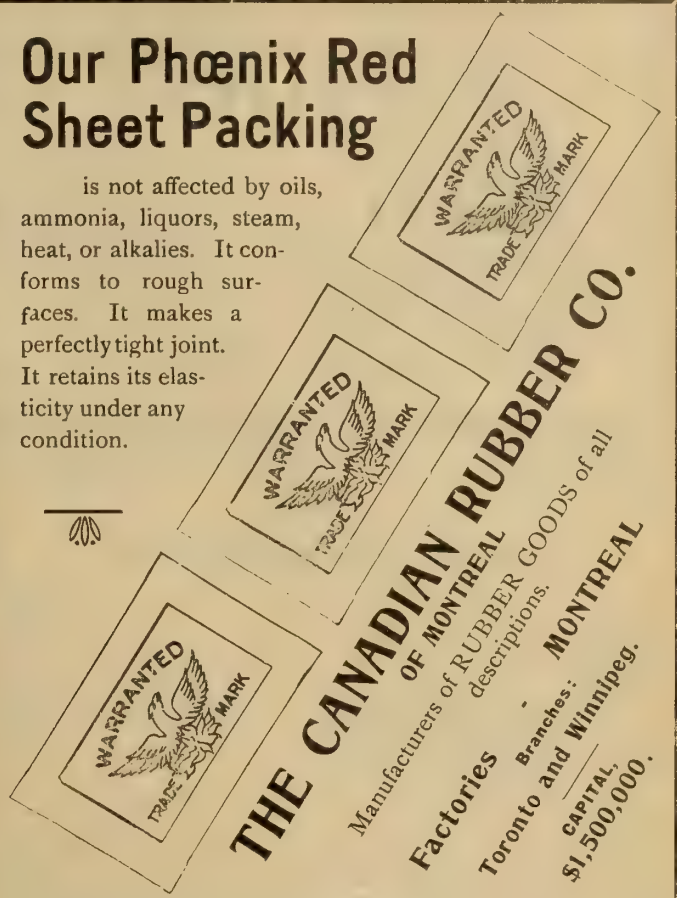
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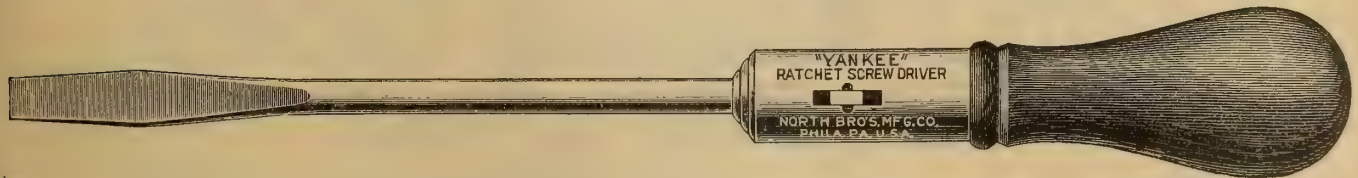
is not affected by oils, ammonia, liquors, steam, heat, or alkalis. It conforms to rough surfaces. It makes a perfectly tight joint. It retains its elasticity under any condition.



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RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

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Philadelphia, Pa., U.S.A.

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Spear, Bowie, Daggers, Matchets and Hunting Knives.

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The sole agents for Canada, keep a full range of samples on view.

Established 1825

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinish's Sons Co. vs. Hermann Boker & Co:

"The complainant (R. Heinish's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinish' or 'H. C. Heinish' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinish's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinish Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorn & Co., St. John, N.B., H. S. Howland, Sons & Co., Toronto, and others.

Established 1825.

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Manufacturers of
all kinds of

BAR IRON.

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GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

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The fibre is long
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HARDWARE MANILLA
MANILLA
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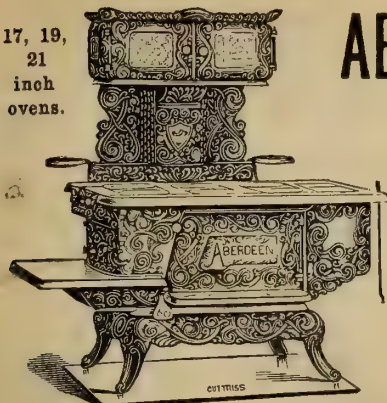
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inch
ovens.



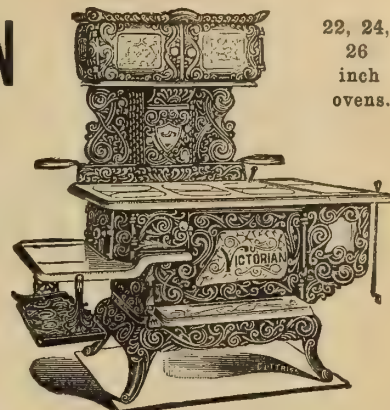
ABERDEEN, for Coal and Wood.

ABERDEEN AND VICTORIAN RANGES

These two modern, beautiful ranges give a complete line of goods for coal and for wood, and were constructed with special reference to the needs of Canadian trade. They have roomy fire boxes, capacious ventilated ovens, large fire doors, spacious hearths.

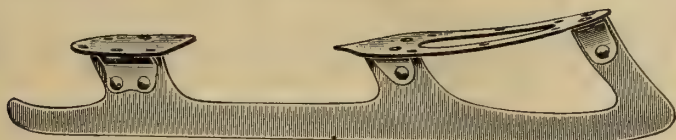
The COPP BROS. CO., Limited
Hamilton, Ont.

22, 24,
26
inch
ovens.



VICTORIAN, for Wood.

The Celebrated "WINSLOW" Hockey Skate.



Our **HOCKEY SKATES** have been adopted by the Hockey Club of St. Nicholas Rink, New York City, and are conceded by experts to be **THE BEST**.
THE BRACKETS will not break. We warrant every pair.

The Samuel Winslow Skate Mfg. Co.

Catalogues sent free on application.

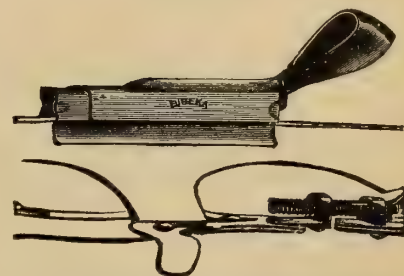
WORCESTER, MASS.

A full assortment adapted to Canadian trade carried by Caverhill,
Learmont & Co., Montreal.

Skate Sharpeners.

BEST IN THE WORLD.

Will outlast any skate but the
"Winslow."



We are prepared to fill orders rapidly
and at best prices for all

METALS

from stock or for importation.

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin
164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

AN · ANNOUNCEMENT

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

Enameline

THE MODERN
STOVE POLISH
PASTE · CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

John Bowman Hardware and Coal Co.

180 to 182 York St. - LONDON, ONT.

Headquarters for SMOKELESS POWDERS

BLUE RIBBON HAZARD

SCHULTZE HARD GRAIN

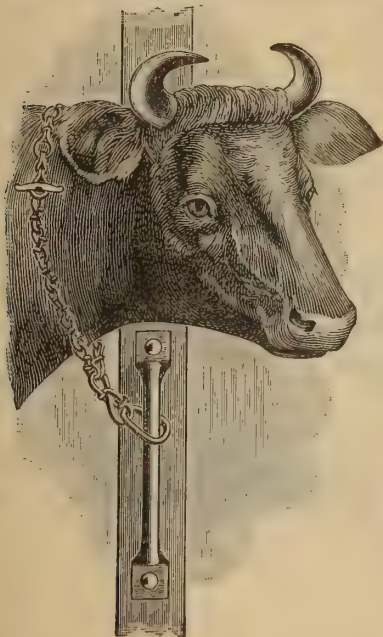
GOLD DUST

Also full line new Guns, Sporting Goods, Etc.

LARGE STOCK

PROMPT SHIPMENT

CLOSE PRICES



NIAGARA PATTERN Or "SHORT" COW TIE.

Made in either
CUT LINK
... OR ...
**WIRE LINK
CHAIN.**

Showing also our new
**NIAGARA
STALL
FIXTURE.**

The cheapest, safest and most convenient stall fixture ever devised for either cows or horses. Allows great freedom to the head without a long chain, which would entangle the animal's foot. Also American Open and Closed Ring Cow Ties.

ONEIDA COMMUNITY, Limited
NIAGARA FALLS, ONT.

Kemp's Standard Nestable Stovepipe . .

Is the article that the trade is demanding.

Advantages

- It requires no Rivets or Tools to put it together.
- The seam does not require pounding down.
- It is uniform in size and has small end crimped so as to secure a close and easy fit.
- It has a coating to prevent Rust.
- It is nested 25 joints in a closed crate.
- A low rate of freight is thus secured.
- It can be bought as cheap as ordinary misfitting Stovepipe.



We also carry in stock a full line of

TINPLATES, GALVANIZED IRON, Etc.

Kemp Manufacturing Company
TORONTO



President, Treasurer,
JOHN BAYNE MacLEAN, HUGH C. MacLEAN
Montreal. Toronto.

THE MacLEAN PUBLISHING CO
Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P. E. Island and Newfoundland.

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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

MARKED STRENGTH IN TIN.

THE remarkable strength in tin continues, a further advance being recorded in addition to that already noted last week.

This upward movement has been in progress for almost a month now, and, if advices from abroad are reliable, still higher values may be looked for.

On September 27, spot tin sold in London at £74 13s. 9d. On Monday of this week, the same article sold in London at £80, which is an advance of £5 6s. 3d., or \$25.80, per ton. In New York, also,

values have advanced quite sharply, and now Straits tin is \$1.40 per cwt. above where it was three weeks ago, and Lamb and Flag, 75c.

The latter was quoted firm at \$17.75 on Monday, and the former, \$17.65, so that they are closer together in price than they have been yet this fall.

As a result of this strength, outside spot values in Montreal advanced quite sharply this week, Straits being held at 18 to 18½c., and Lamb and Flag, 18½ to 19c., according to quantity.

Low-priced articles, like low-priced men are often most unprofitable.

GERMAN CEMENT IN CANADA.

From a report of the British Vice-Consul at Hamburg it is learned that the total exports of cement from Germany last year were 9,350,000 cwt.

Of the total quantity exported, 4,874,919 cwt. went via Hamburg, and by far the largest quantity—over 44 per cent. of the whole—leaving that port was on United States account. There went to Australia 523,004 tons, to Brazil 480,529 tons, and to Japan 405,173 tons. A list of nine or ten other countries is given, but the quantities shipped to them were much smaller than those enumerated.

Canada does not appear in the list at all, but our own Trade and Navigation Returns show that the imports in 1897 into this country of German cement aggregated \$22,666 in value.

WIRE NAIL SITUATION IN CANADA AND THE UNITED STATES.

EXCHANGES from the United States report that the market there for wire nails is in an excellent condition, being characterized by "a strong and confident tone," as one paper puts it. And not only is the recent advance in prices being maintained, but the manufacturers are refusing to accept orders for delivery later than Oct. 31.

How marked is the contrast in regard to the price of wire nails in Canada.

Here, the demand is relatively as good as it is in the United States, being fairly heavy, but prices are anything but fair.

The base price is \$1.75, but, for quantities, at any rate, this figure is being shaded. This state of affairs is unsatisfactory to all concerned, and is without rhyme or reason.

Even taking the maximum figure, the price of wire nails in Canada is 40c. per keg below what the United States made article could be laid down at.

A fair, steady price is not only better for the manufacturer, but for the wholesaler and retailer as well. All interests are so closely interwoven that what injures the maker cannot but injure the seller of an article. Present figures are, no doubt, injuring the makers, and the proof of this is found in the fact that some of them are holding back from rather than reaching after business.

In ordinary life it is well not to condemn a man until he is proved guilty, but in business it is well not to trust a man until he is proved to be honest.

ARBITRARY SPADE AND SCOOP CONDITIONS.

WHEN an aggregation of manufacturers, in order to preserve the home market to themselves, connive with foreign manufacturers, they should at least place themselves in a position to supply the demand of the home trade.

This, the Canadian manufacturers of spades, shovels and grain and furnace scoops evidently did not do.

A duty of 30 per cent. was not considered sufficient protection, and so a handsome bonus was given the makers across the border, with the result that to-day not even a quotation, much more a spade, shovel or scoop can be imported from the United States by a Canadian jobber.

If the Canadian manufacturers were in a position to supply the home market, this would, perhaps, not matter a great deal; but the trouble is they are not.

During the spade and shovel season, nearly every jobber HARDWARE AND METAL came across was complaining of the difficulty of securing supplies. And now the same thing is being repeated in regard to grain and furnace scoops, to the decided inconvenience of the trade.

Every loyal Canadian would prefer to give the preference to the home manufacturer of spades, shovels, scoops or any other article, but while this is so, no one relishes being denied the right to import from a foreign market when the market at home is unable to supply the demand. Yet, this is the lot of the hardware merchant in Canada to-day.

It seems to us that in order to secure immediate relief two or more of the wholesale houses in Canada might send a man to the United States, or secure one over there who might do it for them, and make a purchase, ostensibly for the United States market, of the needed grain and furnace scoops and ship them to Canada.

Perhaps the Government might help to relieve matters by, after taking the usual procedure, putting spades and shovels, under the power which the Tariff Act gives it, on the free list. Section 18 of the Tariff Act is clear upon this matter. It reads:

Whenever the Governor-in-Council has reason to believe that, with regard to any article of commerce, there exists any trust, combination, association, or agreement of any kind, among manufac-

turers of such articles or dealers therein, to unduly enhance the price of such article, or in any other way to unduly promote the advantage of the manufacturers or dealers at the expense of the consumers, the Governor-in-Council may commission or empower any judge of the Supreme Court or Exchequer Court of Canada, or of any superior court in any Province of Canada, to enquire in a summary way into and report to the Governor-in-Council whether such trust, combination, association or agreement exists.

Subsection 3 defines the course to be pursued after the investigating judge has made his report. It reads as follows:

If the judge reports that such trust, combination, association or agreement exists, and if it appears to the Governor-in-Council that such disadvantage to the consumers is facilitated by the duties of Customs imposed upon a like article when imported, then, the Governor-in-Council shall place such article on the free list, or so reduce the duty on it as to give to the public the benefit of reasonable competition in such article.

One thing is certain, there is time for a change in the present arbitrary conditions.

GLASS AGAIN ADVANCES IN MONTREAL.

Montreal jobbers advanced prices on window glass once again this week, the rise on first and second breaks per 50 feet being 10c., and on 100 feet breaks 25 to 50c., according to break. In fact, since the first change, values have risen all the way from 20c. to \$1.80, according to the break, as the following will show:

	Old Price.	Latest Price.	Advance
First break, per 50 ft. . .	\$1 50	\$1 70	\$ 20
Second " " " " " " " " " " " "	1 60	1 80	20
First " " " " " " " " " " " "	2 80	3 75	95
Second " " " " " " " " " " " "	3 00	4 00	1 00
Third " " " " " " " " " " " "	3 30	4 50	1 20
Fourth " " " " " " " " " " " "	3 50	5 00	1 50
Fifth " " " " " " " " " " " "	3 70	5 50	1 80

A GOOD TRADE INDICATION.

Bank clearings in Canada continue to be of a satisfactory nature, the increase of September being 16.6 per cent. over August, and of the nine months 23 per cent., compared with the same period in 1897.

The total clearings for the nine months were \$1,014,245,062, compared with \$825,679,099 last year.

Montreal shows the largest increase, with 27.1 per cent. Then comes Toronto, with 24.5, Winnipeg with 23.7, and Hamilton with 6.7. Halifax and St. John show slight decreases of 1.1 and 1.6 per cent. respectively. Poor trade conditions, largely due to the late Spanish-American war, and

to the over-stocking of the British lumber market, explain the decrease in the Maritime Provinces.

The returns of the clearing houses in the United States are not as favorable as those relating to the Canadian concerns. For September, the returns were 1.3 per cent. less than for August, compared with Canada's 16.6 per cent. increase. The returns for the nine months, while not, however, showing as large an increase as those appertaining to Canada, still show the substantial gain of 21.7 per cent.

AS USUAL, COULD NOT GIVE THE INFORMATION.

HARDWARE AND METAL has frequently urged the appointment of a successful Canadian business man to look after our commercial interests in Great Britain. Canadians who have had dealings with the Government offices in London know that the High Commissioner's staff are grossly ignorant of Canada and things Canadian. They have no knowledge of the extent and resources of the country and cannot give intelligent answers to inquiries.

The following, from the manager of the MacLean Publishing Co.'s London, Eng., office, shows the work that could be done by a shrewd business man who knew the country:

I have been doing quite a bit of work lately with people seeking information about Canada. A gentleman from Dunstable, a ribbon manufacturer with a good knowledge of the straw and felt hat industry, has been thinking of going to Canada to start a factory. A few days ago he came up to London and went to our Government offices to see what the chances of success were, but found out that they could not tell him half what he wanted to know. He saw THE DRY GOODS REVIEW there, and came down to see if we could give him any information. I answered what questions I could, and suggested that he had better take a trip over himself. He came in again a few days later, and it then occurred to me that Mr. S. F. McKinnon, whom I had seen on the street a few days before, might be able to help him in his inquiries, so I went to his office in Milk street, explained the situation and enlisted his interest. He was very kind to Mr. Ware, and, though he was very chary in what he said, he did not discourage the scheme. This serves again to show the need of a business man over here, acting in Canada's interests. There was a funny look on Mr. McKinnon's face when he asked Mr. Ware how much he found out at the Government offices. This gentleman will likely start for Canada next month.

Canada's paid representatives were not able to give an investor the information he wanted. If two Canadians had not intervened, it is possible that the gentleman in question would have turned his attention to some more enterprising colony, and the benefits of his energy and capital would have been lost to this country.

YUKON GOLD AND WOE.

SOME of those who are returning from the Klondyke are bringing back gold, but a great many are bringing back tales of woe.

But nothing has yet transpired which should lessen one's belief in the richness of that part of the Dominion.

The people who "strike it rich" in goldfields are few, while those who fail are many. And it would be strange if the experience of the Klondyke goldfield was different from that in other famous goldfields of the world.

That there is gold, in enormous quantities, in the Yukon country is established by what the eye has seen and by what the reports of such men as Ogilvie record.

To get into a country within the Arctic circle, which is penetrated by neither railroads nor wagon roads, is no easy task, and to those used to riding in street cars, if they had to travel a mile, or had never endured hardship, the way has, no doubt, proved sufficiently discouraging to cause many of them to damn the country, gold and all, before they had really tested it as to its yellow-metal producing qualities.

Men who face dangers, seen and unseen, and endure hardships severe, in traversing many hundreds of miles of unsettled and uninviting country, in search of gold, certainly deserve to secure the desideratum, but, because the blanks are many, it does not follow that the value of the prizes has been exaggerated.

A well-dressed window, like a well-dressed girl, always commands attention.

TURPENTINE 3 CENTS DEARER.

Jobbers in Toronto, Hamilton and London on Thursday advanced the price of turpentine 3c. per gal.

This makes the jobbing quotation for this article 50c. per gal. in the three cities, and 51c. per gal. at outside western points.

This advance, sharp as it is, is warranted by the condition of the primary market, which advanced about 2c. per wine gal. during the first three days of this week.

But, in spite of the local advance of 3c. per gal., jobbers' quotations are much about the same as they were a year ago at this time, when 51c. was the figure quoted to buyers at outside western points. Dealers

in Toronto, Hamilton and London were, however, paying 1c. per gal. less than now, owing to the fact that there was then a difference of 2c. per gal. between the price in those cities and outside points, instead of 1c., as now.

At the corresponding date of 1896, the figure was 43c. Toronto, Hamilton and London, and 45c. at Western Ontario points.

VALUABLE MINERAL DISCOVERY.

A deposit of molybdenite has been discovered in the northeastern districts of Quebec Province by Chas. W. Wiilmott, of the Geological Survey of Canada. The value of molybdenite has been appreciated greatly quite recently by the discovery in France of a way to make armor plate out of it. Blackwell & Co., of Liverpool, are offering \$200 a ton for all the molybdenite they can secure. A French company has sent three experts to prospect for this mineral in Quebec.

DROPS FROM THE EDITOR'S PEN.

AN idea has no value as long as it is locked up in your cranium. It only has value when its utility has been tested by practical experience in business.

The best of goods are usually slow with slow merchants.

Most men can make money, but few men can keep it.

Running down your neighbor's business does not build up your own.

Every time a moment is wasted a cog in the wheel of time is slipped.

If you cannot earn a dollar squarely do not try to do it by a round-about way.

It seems surprising that grocers should fight over the price of such a sweet thing as sugar.

The yellow fever in the South threatens to give the "blues" to trade in that part of the world.

You have to hammer away at a dead beat hard and long if you are to put enough life into him to make him pay his debts.

If a merchant does not know the market how can he succeed? And if he does not read a trade paper how can he know?

A CIVIC ELECTRIC LIGHT PLANT.

Hamilton, Ont., is considering the advisability of establishing a civic electric light plant, and on Wednesday night the special committee which has the matter in hand received the report of the expert, Mr. Percy Domville, of the Grand Trunk railway.

The report was lengthy, and gave the particulars sought for by the committee in regard to the deal. It contained the following information:

"That a plant of 500 arc lights would cost \$97,130, the annual operation of which would be \$27,277.05.

"That a plant of 1,000 incandescent lights would cost \$10,075.

"That a plant of 3,000 incandescent and 125 arc lights, for commercial purposes, would cost \$40,516, the annual operation of which would be \$9,332.50."

The committee received the report, but took no action further than sending it to the council.

HIRING CLERKS.

There is a large store on Congress street, says The Portland Express, that adopts a novel plan of hiring its clerks. All the affable gentlemen that appear behind the counter are from out of town. None of the employes were original residents of Portland. This plan is in such contradistinction to that usually followed by most stores, that it has excited some little attention. Stores usually go on the principle that the more home people there are in its employ the greater number of their respective friends will become patrons. The store in question argues that the less affiliations a clerk has in the city where he is employed the more attention he can give to business, and for that reason strangers can practically devote all the time to the interests of the store. And the fact that the firm is eminently successful in business, would seem to carry out this theory, antagonistic as it seems.

IT IS FAVORING BRITISH TRADE.

Customs officers in the city report that the preferential tariff has stimulated trade with Great Britain on the part of Northwest merchants. Large stocks from Germany were laid in before last August, when the treaty was discontinued; but, since then, this trade has been directed towards England, and indications point to a considerable increase in volume.—Free Press, Winnipeg.

The twine factory at the Consumers Cordage Co.'s works at Dartmouth, N.S., has resumed manufacturing operations. A brisk winter's work is anticipated.

IDENTITY IN THE SAMPLE-ROOM.

SOME of the country retail dealers imagine they are well known to all the wholesale houses when they visit the city. They walk into the sample-room and ask to see a certain line of goods, without acquainting the salesman with their names. When questioned as to who they are or their place of business, some of them think you are too inquisitive.

"Well, I have been dealing here for nearly 20 years and you don't know me? I am surprised!"

Such are the remarks made by visiting country dealers who suppose you keep an album with their photographs in, and every salesman in the house should know them. It is, no doubt, very disagreeable to question a good customer as to his business, etc., but, in order to obtain the best prices and terms, he is forced, you may say, to disgorge his name and address.

I have been induced to make these remarks by a conversation which I recently overheard in the sample-room of Boeckh Bros. & Company, between a salesman and a country merchant.

AMONG TORONTO RETAILERS.

Unique Cutlery Display.

I saw a good idea in the way of a cutlery display this week, which was such that it could be reproduced by any hardwareman. It was in the window of J. W. Oram, Yonge street. It was small, but attracted much attention. A small buckler or shield, covered with dark cloth, was suspended in the centre of the window. Into all parts of this penknives of various sizes were stuck, leaving, however, about four square inches of room in the centre. This space was devoted to giving the information that the knives were worth 25c. each. This was done by placing the words "just" and "each" immediately above and below a 25c. piece. As a nice variety of knives was shown, this display must have put in the heart of many a youth a desire to part with some of his cash to secure a "sharp beauty."

Indoor Sporting Goods.

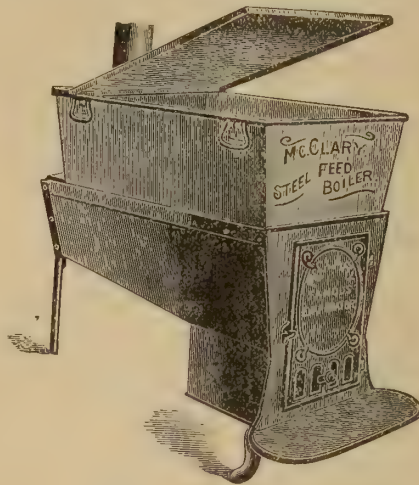
Now that the evenings are lengthening out, and becoming disagreeable for outdoor exercise, it is natural that young men should seek something to interest them indoors. With a large proportion of the Canadian youths athletics are still in greatest favor, and should result in considerable business in punching bags, exercisers, dumb bells, boxing gloves, etc. I see some of the sporting goods houses about Toronto are making a display of these lines. These goods are like all luxuries, in that a trade can be "worked up" in them by energetic pushing. Merchants who now find little

enquiry for such goods, would be surprised at the amount of business that can be done between now and Christmas by a persistent, energetic attempt to create a demand for the various articles mentioned and others of a similar nature. Exercisers were proved last winter in Toronto to be specially susceptible to "pushing."

THE RAMBLER.

NEW STEEL EVAPORATOR.

The McClary Mfg. Co. is placing on the market a new Steel Evaporator, or Feed Boiler for Dairymen's use. The Boiling Tank is made of galvanized steel with thoroughly tight joints; and has a cover which can be removed, if desired. The furnace has a cast iron door frame, smoke



plate, and hearth with steel body, bolted and riveted in such a manner that it is free from any warping caused by intense heat. On account of it being made of steel, it boils feed quickly, with very little fuel, and is thus the most economical and desirable stove for farmers' use.

THE WOOL MARKET.

The dullness in the wool market, which has been manifest all year, is likely to continue until there is a radical advance in prices in Great Britain and the United States.

The cause of this dullness was that wool consumers and dealers, in the United States, bought up over 20,000,000 lb. of fleece wool previous to the advance in duty on wool going into that country. This has left a surplus on the market there, which has made it possible to keep prices, both in that market and in Great Britain, in their present low condition.

The surplus is being steadily cleared up, and the prospects are that an advance will ensue before New Year's Day.

Jos. Blanchette, general merchant, St. Jean (Port Joli), Que., is dead.

A SINGULAR THEORY.

A curious theory is propounded by C. W. Brown in *Wheels*. Based on an experiment, in which a light machine was loaded up to weigh 47 lb. by means of lead in the handle-bar and a tube filled with lead strapped to the main diagonal, he contends it traveled much faster and better altogether than was the case stripped, when it scaled 22 lb. less, against a strong wind, and that the increased weight was only found to be disadvantageous when ascending hills. With the wind, however, there is no comparison to be made. The theory that a heavy machine is the better against the wind is based on the fact that a cricket-ball can be impelled by the same amount of power much further against the wind than a tennis-ball of equal size. He tells us, however, that, with the wind, the tennis-ball will travel the farther; but having some knowledge of both, says "Lancelot" in *Bicycling News*, this I am inclined to doubt. That there is something in Mr. Brown's contention I feel sure, as I loaded up my aluminum bicycle, which hasn't broken down yet, with sundry pieces of scrap and bar iron, and tried it against last Friday's sou'wester. It may have been fancy—who knows?—but I certainly thought it ran more smoothly than when naked. I am quite positive I did not feel the vibration as much.

PLENTY OF SNIDER AMMUNITION.

Editor *HARDWARE AND METAL*,—Referring to our recent advertisement of "Snider" rifles, we have been asked a number of times regarding future ammunition for this make of rifle, and there seems to be a general impression throughout the country that in a short time it will be impossible to obtain ammunition. We wish to inform the hardware dealers in Canada that there is no possibility of such an occurrence, as, besides the quantity the Government have for sale, and for which we have a contract, the Dominion Cartridge Co. manufacture "Snider" ammunition. There will therefore be no shortage at any time.

Lamplough & McNaughton.

Montreal, Oct. 17, 1898.

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

THOMAS GIRARD, JR., general merchant, Napierville, Que., has assigned to Alex. Desmarteau.

Chas. V. DeBury, warehouseman, etc., St. John, N.B., has assigned.

James Ahern & Co. general merchant, Newport, Que., has assigned.

J. T. Pouliot, general merchant, L'Islet, Que., is offering 75c. on the dollar.

Joseph H. Bedard, general merchant, Franklin Centre, Que., has assigned.

James Nichol, sr., contractor, Brockville, Ont., has assigned to Chas. E. Fulford.

Arthur Du Tremblay, general merchant and Roberval, Que., has compromised.

A compromise has been effected by J. A. Pelletier, general merchant, Rivere Ouelle, Que.

George Lefavre has been appointed curator of Mrs. F. Dumas, hardware merchant, Quebec.

Edward Flemming, general merchant, Holyrood, Nfld., has applied for insolvency declaration.

Insolvency declaration has been applied for by John Smith, general merchant, etc., Brigus, Nfld.

Alexander Desmarteau has been appointed curator of J. B. Boisvert, general merchant, St. Hilaire, Que.

The estate of Thomas O'Brien, general merchant, Lyon's Brook, N.S., is offering 50c. on the dollar.

John M. D. Hains has been appointed curator of M. J. Bowles, general merchant, Windsor Mills, Que.

F. W. Radford has been appointed curator of F. M. Sullivan, dealers in safes, scales, etc., Montreal.

George H. Munro & Co., general merchants, Oil Springs, Ont., have assigned to Alfred Robinson, London.

A meeting of the creditors of Stanley Thinault, general merchant, Lac a la Tortue, Que., who has assigned, will be held on the 22nd inst.

PARTNERSHIPS FORMED AND DISSOLVED.

Moyer & Bundy, general merchants, Walkerton, Ont., have dissolved, J. W. Bundy continuing.

Plewes & Vogan, millers, Walkerton, have dissolved, the business being continued by Vogan, Son & Co.

Menagh & Cooper, bicycle dealers, etc., have dissolved, and John Cooper has registered as proprietor, under the old style.

SALES MADE AND PENDING.

Isabella Hendry, general merchant, Sturton, Ont., has sold out.

The stock of J. P. Houle & Co., general merchants, St. Perpetue, Que., has been sold.

John Hutchings, coal and wood dealer, Stratford, Ont., is advertising his business for sale.

The stock of A. R. Dionne, general mer-

chant, Fraserville, Que., has been sold at 71 1/2 c. on the dollar.

The stock of Sam. F. Allard, general merchant, Rimouski, Que., has been sold at 52 1/2 c. on the dollar.

The plant, etc., of the estate of Irwin & Geldart, manufacturers of brass goods, London, Ont., is advertised for sale by auction on October 26.

CHANGES.

A. Langford, general merchant, Devizes, Ont., has sold out to Thomas Kestie.

Louis Kieffer, general merchant, Elmvalle, Ont., has moved to Glen Allan.

J. P. Houle has resumed business as general merchant in St. Perpetue, Que.

The Pennycuik Glass & Light Co., of Toronto, Limited, has been incorporated.

J. B. Denning, general merchant, Kerrwood, Ont., has been succeeded by J. M. Bunt.

R. J. W. Fisher, hardware dealer, Elmwood, Ont., has sold out to George Bohlander.

Amandi Carl, general merchant, Effingham, Ont., has been succeeded by John A. Daboil.

H. Crites & Co., general merchants, Oil Springs, Ont., have been succeeded by Aldous & Callan.

Wm. H. Paint has registered as sole proprietor of the firm of Peter Paint & Son, general merchants, Port Hawkesbury, N.S.

Hamilton Bros., general merchants, Glen Huron and Copper Cliff, Ont., have sold out

their Copper Cliff business to Jones & Rowat.

Joseph N. Birbeck, hardware dealer, Boissevain, Man., has sold out to Davis & Wilson.

Hugh Andrews, machinist, St. John, N.B., has been succeeded by Taylor & Williamson.

The Renfrew Farmers' Hedge and Wire Fence Co., Pembroke, Ont., has been incorporated.

Chas. Hamilton, hardware dealer, Roland, Man., has been succeeded by J. E. Birch & Son.

E. Sproul, blacksmith, Arden, Man., has been succeeded by — McMillan, formerly of Gladstone, Man.

Snider & Vermilyea, dealers in agricultural implements, Picton, Ont., have been succeeded by Sexsmith & Snider.

Merry & Williams, dealers in agricultural implements, Carman and Roland, Man., have closed their Roland branch.

FIRES.

F. G. Hawkins & Son, general merchants, Kinmount, Ont., have been burned out.

Whitman Bros., steam sawmillers, Harmony, N.S., have been burned out; loss estimated at \$6,000; no insurance.

DEATHS.

Thomas Cowan, of Cowan & Co., manufacturers of engines and machinery, Galt, Ont., is dead.

Israel Dufour and Napoleon Plants, blacksmiths, and Adolphe Bilodeau, tinsmith, St. Paul's Bay, Que., are dead.

THE COST OF THE PAINT

Is only a small matter in painting a house. It's the labor that runs away with the money. Yet, how often people try to save a little on the paint, when a poor article may spoil the expensive work of putting it on.

Get the best paint you can, so you won't be to the expense of having the work to do over again soon. That's common sense.

THE SHERWIN-WILLIAMS PAINT
is the best. It wears—it wears a long time.

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers

Walter H. Cottingham,
Managing Director,
Canadian Department.

CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON

A FORTUNE IN GOOD MANNERS.

"WHY the doose do 'e 'old 'is 'ead down like that?" asked a Cockney sergeant-major angrily, when a worthy fellow-soldier wished to be reinstated in a position from which he had been dismissed. "Has 'e's been han hofficer, 'e hought to know 'ow to be 'ave 'isself better. What huse 'ud 'e be has ha non-commissioned hofficer, hif 'e didn't dare look 'is men hin the face? Hif ha man wants to be ha soldier, Hi say, let 'm cock 's chin hup, switch 'is stick habout ha bit, han' give ha crack hover the 'ead to hanybody who comes foolin' round 'im, helse 'e might just has well be ha Methodist parson."

This English is somewhat rude, but it expresses pretty forcibly the fact that a good bearing is indispensable to success as a soldier. Mien and manner have much to do with our influence and reputation in any walk of life.

"Don't you wish you had the power?" asked the East Wind of the Zephyr. "Why, when I start they hail me by storm signals all along the coast. I can twist off a ship's mast as easily as you can waft thistle-down. With one sweep of my wing I strew the coast from Labrador to Cape Horn with shattered ship-timber. I can lift and have often lifted the Atlantic. I am the terror of all invalids, and to keep me from piercing to the very marrow of their bones, men cut down forests for their fires and explore the mines of continents for coal to feed their furnaces. Under my breath the nations crouch in sepulchres. Don't you wish you had my power?"

Zephyr made no reply, but floated from out the bowers of the sky, and all the rivers and lakes and seas, all the forests and fields, all the beasts and birds and men smiled at its coming. Gardens bloomed, orchards ripened, silver wheatfields turned to gold, fleecy clouds went sailing in the lofty heaven, the pinions of birds and the sails of vessels were gently wafted onward, and health and happiness were everywhere. The foliage and flowers and fruits and harvests, the warmth and sparkle and gladness and beauty and life were the only answer Zephyr gave to the insolent question of the proud but pitiless East Wind.

The story goes that Queen Victoria once expressed herself to her husband in rather a despot tone, and Prince Albert, whose manly self-respect was smarting at her words, sought the seclusion of his own apartment, closing and locking the door. In about five minutes someone knocked.

"Who is it?" inquired the Prince.

"It is I. Open to the Queen of England?" haughtily responded Her Majesty.

There was no reply. After a long interval there came a gentle tapping and the low-spoken words: "It is I, Victoria, your wife." Is it necessary to add that the door was opened, or that the disagreement was at an end? It is said that civility is to a man what beauty is to a woman: It creates an instantaneous impression in his behalf.

The monk Basle, according to a quaint old legend, died while under the ban of excommunication by the Pope, and was sent, in charge of an angel, to find his proper place in the nether world. But his genial disposition, and his great conversational powers, won friends wherever he went. The fallen angels adopted his manner, and even the good angels went a long way to see him and live with him. He was removed to the lowest depths of Hades, but with the same result. His inborn politeness and kindness of heart were irresistible and he seemed to change the hell into a heaven. At length the angel returned with the monk, saying that no place could be found in which to punish him. He still remained the same Basle. So his sentence was revoked, and he was sent to Heaven and canonized as a saint.

"Bishop Fenelon is a delicious man," said Lord Peterborough; "I had to run away from him to prevent his making me a Christian."—Pushing to the Front.

CALCIUM CARBIDE FROM SAWDUST

Several Ottawa valley lumbermen visited Edwards' mills, at Ottawa, on Tuesday, to witness the test of converting sawdust into calcium carbide, pyroligneous acid, etc. W. C. Edwards, M.P., who has been the principal promoter of the scheme, had the visitors in charge. They were shown through the building where the machinery is, and saw at one part wet sawdust being carried into a large tin drier and then into the machine proper, coming out in tarry oils, pyroligneous acid, carbon, and gas. The machine gets its fuel from the gas obtained from the sawdust, so that the process is a continuous one.

The purpose of the inspection was to allow the visitors an opportunity of seeing the machine at work. Every part of it worked without a hitch, and so quietly as to be almost inaudible. Prof. Ruttan, of McGill, took samples of the pyroligneous acid and the tarry oils, which he will test. The test will probably decide the success of the scheme.

J. R. Esmonde, for many years a hardware merchant in Ottawa and for the past four or five years deputy collector of inland revenue, died on Monday. He was in his 53rd year. He was an alderman for several years, being first elected in 1888. Deceased leaves a widow and six children.



GILBERTSON'S
"COMET"
BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

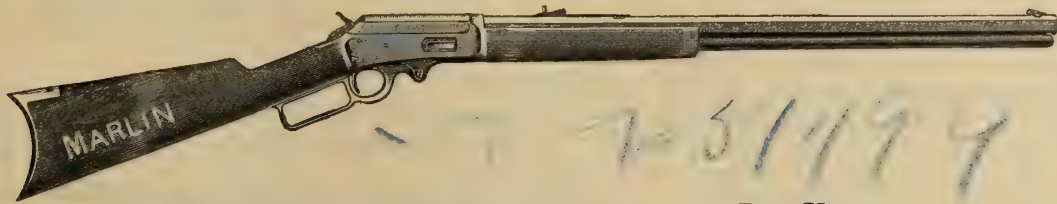
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H. S. HOWLAND, SONS & CO.

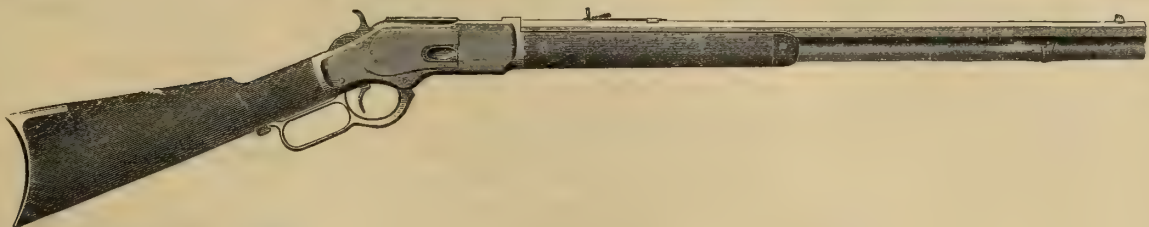
WHOLESALE
MERCHANTS

37-39 Front Street West

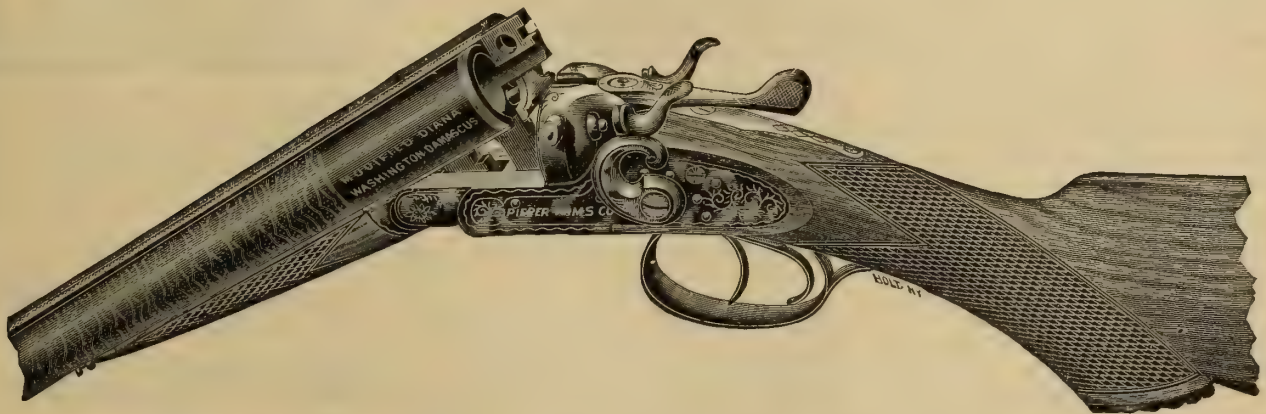
TORONTO



Marlin Repeating Rifles.



Winchester Repeating Rifles and Shot Guns.



Piper's Breech-Loading Guns.

10, 12, AND 16 GAUGE

RELOADING TOOLS, SHOT POUCHES, POWDER FLASKS.

American Deadshot, 25-lb. kegs.

POWDERS

Schultze Smokeless, in 1/2-lb. Tins.

GRAHAM Cut and Wire Nails are the Best.

If you have not received our latest FALL CATALOGUE, please advise us.

H. S. HOWLAND, SONS & CO.

ORDER SOLICITED.

TORONTO.

OUR PRICES ARE RIGHT.

Revolvers, Flobert Rifles, Ammunition.

Loaded Shells, Shot, Wads and Caps.

A TEST FOR WHITE LEAD.

MANY users of paints of which white lead is a constituent are often surprised and annoyed to find the paint cracking and peeling off, thus necessitating the additional expense of another coat, says an exchange. The trouble is not in the white lead itself, which, if pure, is the best material for the purpose. It lies in the adulteration of the lead with worthless substances, which cannot be detected by the eye. Much time, annoyance, and expense may be saved by means of a simple, effectual test that will not require a chemical laboratory to get results. Here is one that requires only 10 minutes and no apparatus but a bottle, a teaspoon, and some blotting paper: In a wide-mouthed bottle put a large teaspoonful of the mixture of lead as it comes from the drum or keg. Add about four times its bulk of benzoline and shake thoroughly for about a minute. Pour it out upon white blotting paper or chemists' filter paper and allow it to drain. When the excess of benzoline has evaporated, put the lead back in the bottle, add about four times its bulk of strong vinegar, and shake as before. If the powder disappears entirely, the lead is pure. If it does not all dissolve, allow the sediment to fall, pour off the liquid, add more vinegar, and shake again. If still there be a residue, the lead has been adulterated. This is but a simple question of chemistry. White lead is a basic carbonate produced by the action of carbonic acid and water upon metallic lead. This carbonate is readily soluble in acetic acid, which is the principal acid of vinegar. Sulphate of barium and sulphate of lead, the two substances most largely and frequently used as adulterants, are insoluble in acetic acid, so that the addition of either of these materials to white lead can readily be detected by the method explained. The object of using the benzoline is to dissolve out the oil which might interfere with the action of the acid. Benzoline need not be used if the lead be purchased in the form of powder and not already mixed with oil.

CLASSES OF HARDWAREMEN.

In the following letter, which relates, it will be observed, to the matter of window displays, our correspondent divides hardware merchants into three classes:

"As a class which hardwaremen have the neatest stores and best window displays? Observation goes to prove that those of the smaller cities and large villages are the ones. Of three classes, this is the middle one, yet it leads in these important essentials. The hardwaremen of the large cities and those of the very small villages have stores which are very much alike. The former are forced by high rentals to crowd much into small

space. This often leads to disorder. The latter are forced to the same end by limited trade, and the great variety and small lots of merchandise. These two classes might have neater stores and better window displays if they would, but they will not, and so the matter rests."—Iron Age.

TRADE CHAT.

W. H. FROST is asking the town of Smith's Falls for a bonus of \$10,000 to enable him to extend his malleable iron works in that town. He promises to largely increase the number of hands in his employ.

The new store for J. A. Stovel, hardware dealer, Edmonton, N.W.T., is almost ready for occupation.

The H. S. Nutting Co., manufacturers of hand-grenades and fire extinguishers, Minneapolis, have decided to build a branch factory in Toronto.

Wells & Emmerson, hardware dealers, Port Arthur, Ont., are erecting a warehouse at the rear of their store. The new building will be sheeted with heavy iron.

A notice of dissolution of partnership, down south, is reported to have read as follows: "The copartnership heretofore existing between me and Moses Skinner is hereby resolved. Them that owes the firm will settle with me, and them that the firm owes will settle with Mose."

A deposit of marl has been discovered on the farm of J. McKechnie, general merchant, Durham, Ont. John Lambert, of the Guelph Pavement Co., who has visited the deposit states that there are over 600 acres of such quality that excellent cement can be produced from it. Preparations are being made to organize a company to make Roman cement in Guelph.

Chas. B. Frost, F. T. Frost, M.P., Chas. H. Frost, Maria E. Frost and Caroline L. Frost are applying for incorporation to take over the business of Frost & Wood, manufacturers of agricultural implements, Smith's Falls, Ont., with the intention of enlarging the capacity and increasing the output of this company's works. The capital of the new company is placed at \$800,000.

The Eclipse Office Furniture Co., Limited, of Ottawa, intend building a new factory on the Sparks estate, Albert street, Ottawa. It will be 43 x 135 ft., and have three storeys and basement. It will be built of brick, with stone foundation and trimmings. The estimated cost is \$12,000. Fifty hands are now employed by the Eclipse Co., but they expect to increase that number to nearly 100.

COMPETITION IN BINDER TWINE.

A manufacturer told a Montreal newspaperman, the other day, that where 5,000 tons of Canadian binder twine were sold in the Dominion last year, the quantity had dropped to 1,500 tons for the present year. He also states that the American manufactured goods are coming into Canada to a very large extent, in spite of the preferential duties.

Safes, Scales Trucks, Barrows, etc.

Goldie & McCullough's Safes, Vaults, Doors, etc. Standard Scales of every size and variety. Trucks and Barrows for every service. Show Cases, every design and size. Butchers' and Blacksmiths' Supplies. Second-hand Safes bought, sold, exchanged & repaired.

F. M. SULLIVAN.

Office—308 St. James St. MONTREAL, QUE.
Factory—419 St. Paul St.

Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

Covert Mfg. Co.

West Troy, N.Y.

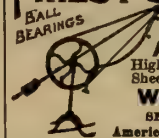
DERBY SNAP

Canadian Patent,
April 3 1897.

With Plated Rust Proof and Guarded Spring. "The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

BALL BEARINGS



Largest Variety,
Toilet, Hand, Electric Power

ARE THE BEST.

Highest Quality Grooming and
Sheep-Shearing Machines.

WE MAKE THEM.

SEND FOR CATALOGUE TO

American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS

Hand and Power, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready

COATES CLIPPER MFG. CO.

WORCESTER, MASS.

AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods
Can ship promptly and
supply the very best

We make a
specialty of.....

"Hand Shaved"

Octagon

Axe Handles

Made by
Indians

being the largest dealers in Canada in this line.
Can give exceptional value.
Have 5,000 dozen of these handles
on hand, ready for polishing.
Write for prices.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.

LEWIS BROS. & Co.

Winchester Rifles

Marlin Rifles

Remington Rifles

Stevens Rifles

Winchester Cartridges

U.M.C. Cartridges

Dominion Cartridges

New Rival Shells, loaded with Black Powder.

Trap Shells, loaded with Black Powder.

Repeater Shells, loaded with S.S. Smokeless Powder.

Leader Shells, loaded with S.S. Smokeless Powder.

**WE HAVE THE LARGEST STOCK OF SHOT GUNS IN CANADA.
SEND FOR CATALOGUE.**

Lewis Bros. & Co.

**30 St. Sulpice
Street**

 **MONTREAL.**

TRADE IN OTHER COUNTRIES THAN OUR OWN.

HARDWARE PRICES AND ADVANCES IN IRON AND STEEL.

THROUGHOUT many branches of the hardware trade, just now affected by the advancing prices of rolled iron and steel, and of pig iron, manufacturers are keenly scrutinizing their costs' sheets in view of the coming autumn business. This is particularly so in those of the hardware industries in which stamping is largely employed as a first labor cost, and concerning which any advance in the price of iron and steel sheets would mean a serious additional item in the productive output bill. We refer to such trades as the wrought iron hollow-ware makers, tin and japanware manufacturers, galvanized and black iron braziers, etc., including the bucket and coal hod makers. Steel has long since taken the leading position as a material in these industries, on account of its closer fibre and greater applicability than iron to deep stamping. The wear and tear on the machine tools is greater in using up steel than iron owing to its greater hardness. Nevertheless, it is preferred. And it is in the steel rather than the iron market that materials are just now advancing. On some descriptions of steel, indeed, the run has already been considerable, and in the trades we have mentioned there is some talk of prices being advanced between now and Christmas. Ironmongers should make a careful note of the rising condition of the market, and if they are short of stock in these lines should replenish their shelves at once.—Hardwareman, Birmingham.

TINPLATE TRADE WITH CANADA.

The Liverpool correspondent of The Iron and Steel Trades Journal writes: "Only a small business has been done lately in tinplates, and, with agents trying to force sales, quotations are slightly lower, and, to effect business, still more tempting prices would have to be named. Though the close of the Canadian shipping season is approaching, this business is very slack. The best end of the trade now is home business, and numerous nice orders have been given out recently. Continental buyers are doing little on the market."

SHEFFIELD CUTLERY TRADE.

An English trade journal says: "Although the cutlery and plating trades of Sheffield have, during the past few weeks, been making distinct progress, they are not yet in the satisfactory position which might be expected at this season of the year. Orders are not coming to hand in anything like the bulk that was expected, and tradesmen are going in more and more for light

stocks of a variety of goods rather than for large quantities of a few. They are thus able to make a more attractive display, and the facilities for quickly obtaining supplies direct from the manufacturer are now so great that they are not at a disadvantage when a large demand sets in. Travelers from London and the provinces, generally, are not sending reports of the most satisfactory character, but hope that next month there may be a change for the better, as they state that many of their customers are delaying their orders as much as possible. For ivory, there is only a moderate sale, and that only in the medium class of goods. The local cutters have not yet advanced their list, but prices are bound to go up as the supply continues very limited. Another factor in the ivory market is the immense supplies which are now being bought by the Americans, who have to be seriously reckoned with as purchasers. In the cheaper grades of pen and pocket cutlery a fair trade is being done."

NEW YORK MARKETS.

PIG TIN—Cable advices quoted still higher prices in the foreign markets, with continued active speculation. Singapore wired prices on a parity of £81 10s. c.i.f. London; and the English market naturally sympathized, showing 17s. 6d. advance for the day. New York naturally fell in line, yet very much in the rear, since speculative business here is still a dead letter, and consumers evidently partial to extremely conservative action for the present. The arrivals here thus far this month have been very light, and it is estimated that the spot stock has decreased over 1,000 tons since the 1st inst. A few sales were made early in the day at 17.50 to 17.60c. in wholesale way; but wholesalers subsequently marked their figures higher, so that, at the close it seemed doubtful if five-ton lots could be secured at less than 17.90c. in store or 18c. free on board. Small parcels were quoted about 10c. above those rates.

COPPER—New business is of only fair volume, and inquiries are hardly as numerous nor of as liberal size as they were a week ago. However, the deliveries continue liberal and take up enough of current production to keep supplies within manageable bounds and hold prices very steady. Lake Superior ingot was quoted at 12½c. for any delivery this year; electrolytic at 12 to 12½c. and casting stock at 11⅞ to 12c., according to brand.

PIG LEAD—Buyers are still very indifferent to the best offers made by sellers, and act as though inclined to depress the market by the weight of inaction. At all events,

purchases are almost wholly of small lots for early delivery. The business was mostly at 3.82½ to 3.85c. for common.

SPELTER—The demand in this quarter is very moderate, and dealings are mostly in carload lots. The situation at the west is still favorable to holders, however, and prices remain firm at 5c. for common domestic. London cable was £23 2s. 6d. for good merchant brands.

ANTIMONY—Regulus quoted at 9 to 9¾c., as to brand, with very fair business in jobbing way.

TINPLATE—The market for other than small lots of plate for early delivery remains very quiet, and the buying in small lots is only fair. Former prices are generally quoted, and values seem unaffected by the reported progress of the proposed combination of American manufacturers.

IRON AND STEEL—All lines of crude material remain quite steady in price and a very good business is passing, without, however, individual deals that are out of the ordinary. Pig iron continues to advance in the Glasgow market. Tuesday's closing cables quoted 50s. 5d. for Scotch, and 45s. 1½d. for Middlesboro.

Steel rails, beams, etc., and other manufactured steel and iron are rather quiet, but steady.—New York Journal of Commerce.

GLASS WHICH STOPS HEAT.

It is stated that a German inventor has discovered a method of producing glass which will transmit light freely, but no heat. A plate of the material 4-10 in. thick, containing 28 per cent. of iron in the form described as ferrous chloride, allowed only 4.06 per cent. of radiant heat to pass through it, while another plate of equal thickness, and containing quite as much iron in the shape of ferric chloride, permitted 11.2 per cent. to pass. The chemical distinction is very small, but the effect is said to be marked. A thinner slab of this glass allowed less than 1 per cent. of the heat of gas flames to pass, although transmitting 12 per cent. of heat from sunlight. Ordinary window glass, on the other hand, lets some 86 per cent. of the heat through.

A LESSON IN STEEL RAILS.

The quantity of steel rails brought across the American continent, by rail, from the manufacturers in the vicinity of Chicago, and exported, via Puget Sound, to Japan, has aggregated about 15,000 tons, and it is a remarkable circumstance that the American manufacturers, under the disadvantage of the expense of a 2,000 miles' transportation by rail, can successfully compete with English and Belgian firms selling rails in Japan.—The Engineer, London.



Emery

Write for Latest Catalogues and Samples to

The **LONDON EMERY WORKS CO.**, 10-12 Vine Street, Clerkenwell, **LONDON, E.C.**

— AGENTS WANTED. —

Cloth and Paper.
Glass and Flint Paper.

"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d. and 1/1 tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.

Grinding Machinery.



Ontario Nut Works, Paris
BROWN & CO.

Manufacturers of
All sizes of Hot Pressed
Nuts, Square and Hexagon

IN RUNNING ORDER

The fire that lately damaged our premises somewhat, is not as severe as we thought, and the various departments in our works are now in running order.

(43) **W. R. CUTHBERT & CO.,**
Duke St., Montreal. Brass Founders, Etc.

THE

New White Metal Polish
"Nanon"

The Queen of Polishes.

Imparts instantaneously a dazzling and lasting

BRILLIANCY

to Brass, Tin, Nickel, Zinc, Gold, Silver, etc. Free from grit or emery, and will not scratch the finest surface.

Samples on Application.

LAMPLOUGH & McNAUGHTON

Montreal

Sole Agents for Canada.

ADAM HOPE & CO.

30 John Street, - Hamilton

IMPORTERS OF

METALS

PIG TIN

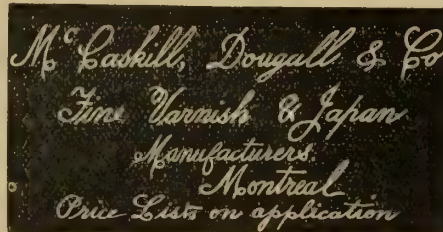
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PIG LEAD

SPELTER

ANTIMONY

WRITE FOR PRICES.



J. B. COGHLIN

Hardware, Iron and Steel Merchant, Railway and Contractors' Supplies.

MANUFACTURER OF
CARRIAGE, WAGON SPRINGS and AXLES.
RAILWAY SPRINGS and SPIRAL SPRINGS
of every description.

A large stock always on hand.

Office and Warehouse, 432, 434 and 436 St. Paul St.,
MONTREAL.

Works, Montreal Spring and Axle Works,
HOCHELAGA. (44)

**The Canadian Mining
Exhibit Co., Limited**

Will give you any information in reference
to Mines or Minerals found in your district.

Assays made by their own Assayers

If you have or know of any Minerals you
do not know the value of, send Samples
to us, and we will let you know whether it
is worth anything to you.

Mining Properties Valued by Experts

THE

CANADIAN MINING EXHIBIT CO., Limited

650 Craig Street

... MONTREAL.

THE Improved Achieved.

No preparatory fitting or adjusting necessary.
Always ready to put right on.

Fits any boot.

The Patented Runner possesses many unique
and attractive features.

The new heel device is absolutely perfect in
its holding powers.

The Starr Manufacturing Co., Limited

Makers

DARTMOUTH, N.S.

T. L. PATON, Agent, MONTREAL



With Newly Patented Heel Fastening.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Oct. 21, 1898.

HARDWARE.

TRADE in hardware and heavy metals has been fairly active during the past week, and new orders in several departments have been quite numerous. This is particularly the case in wire nails, horse-nails, horseshoes, screws, bolts and nuts, and shelf hardware of most descriptions. Values, as a rule, are steady and inclined to firmness, except in some unimportant lines.

BARB WIRE—Business in barbed wire is light, being confined to a few small lots. We quote \$2 per 100 lb. f.o.b. Montreal.

PLAIN WIRE—Hay-baling wire is asked for to a fair extent, and enquiry for plain fencing is also fair this week. Discounts are: 40 per cent. on oiled and annealed and 35 per cent. on galvanized.

WIRE NAILS—There is a good demand for these, but values continue unsettled, ranging from \$1.70 to \$1.75, according to quantity.

CUT NAILS—There has been little activity to report in these, demand being light, while

values are steady at \$1.75 f.o.b. Montreal, with 5c. rebate.

HORSE NAILS—There is a fair enquiry for these, and values are unchanged, discounts being 50 per cent. on Standard, and 50 and 20 on Acadia brand.

HORSESHOES—There has been nothing special in this line, demand being fair. We quote: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35; toe weight, \$5.50.

SCREWS—Business fair and prices unchanged. Discounts are: Flat head bright 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—There is a good demand for the season. Discounts are: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5, and tire bolts, 70 and 5.

RIVETS—The same remarks apply to

these. Discounts are: Iron, black and all tinned, sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—There has been no further change this week, and trading is light. We quote: Sisal, 7-16 and up, 9¼ to 10c.; ¾, 10¼c.; 5-16 and ¼, 11c., and 3-16, 11¼c. Manilla was unchanged: 7-16, 11½c.; ¾, 12¼c.; 5-16 and ¼, 13c., and 3-16, 13¼c.

CLOTHES WRINGERS—A fair demand continues, and prices are steady at \$29 to \$30, as to brand.

BELTING—Business fair and prices steady.

BUILDING PAPER—There is only a quiet demand to report. We quote: Fibre, tarred, 45c.; dried, 35c.; sheathing, tarred, 27c.; dried, 22c.; tarred roofing felt, \$1.10.

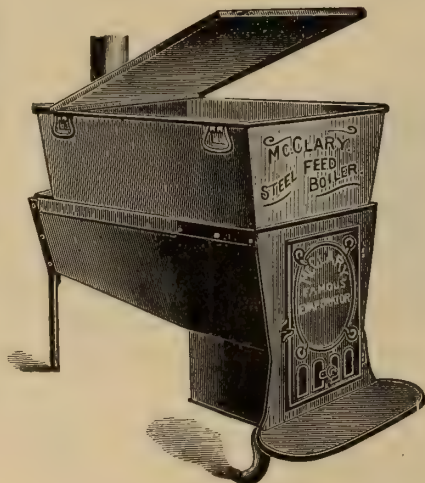
HINGES—Fairly active and steady. We quote: 6 to 12 inch, \$3.15 per 100 lb.; 14 inch, \$2.35; T and strap, 70 and 10 per cent.; and screen door, \$6.50 per gross pair.

SPADES AND SHOVELS—Without change, discounts being 40 and 10 per cent.

SPORTING GOODS—There is a fair demand in this department.

THE FAMOUS EVAPORATOR OR FEED BOILER

For Wood.
Heats Quickly.
Saves Fuel.



Boiling pan made of galvanized steel, holds 50 gallons (imperial). The furnace door, frame, smoke pipe plate, hearth, legs and grates are made of cast iron.

Steel linings prevent the direct heat of the fire from warping or burning the body of furnace.

Size of firing door, 11 x 12 inches.

Length of fire-box, 40 inches.

Being steel, it boils quickly and uses little fuel in doing it.

Aluminum Heater

For COAL OIL.

Can be carried
anywhere.

Made entirely of steel and aluminum.
Will not discolor.

The oil tank is so protected with cold air spaces that oil cannot become heated, and therefore prevents odor.

Cold air is drawn from floor and discharged from top of stove heated, causing a complete circulation of air in the room.

VERY LIGHT. NO SMOKE.

In **AUTUMN** they are a comfort in the nursery and parlors, as well as in **SPRING**.

	No. 24.	No. 30.
Circumference of wick, in.	8¾	10
Approximate weight	11	15



FOR QUICK SHIPMENTS ORDER FROM McCLARY'S.

Sole Agents for Canada

The McClary Manufacturing Company

LONDON

TORONTO

MONTREAL

WINNIPEG

and

VANCOUVER

The genuine is stenciled "Apollo-Vandergrift"

**APOLLO BEST BLOOM
GALVANIZED IRON.**

Apollo galvanized iron is soft elastic and tough. Do anything to it; it makes no trouble.

Saves wages.

Apollo Iron and Steel Company
Vandergrift Building
Pittsburgh

Works: Apollo and Vandergrift, Pa.

**Fire Bricks & Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL

Importers and Dealers.

Abbott & Co.

FACTORIES

...MONTREAL

CUT NAILS

Clinch and Pressed Nails, Horse Shoes (Steel and Iron), Railway and Pressed Spikes, Mine and Wharf Spikes, Drift Bolts, Washers (Steel and Iron).

CANADA IRON FURNACE CO.,

Manufacturers of

Limited.

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que.
Lac a lac Tortue.

Three Rivers.
Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

CUTLERY—Good orders are noted for both pocket and table sorts.

CEMENT—This market continues much the same as it was reported last week. We quote as follows: Belgian, \$1.85 to \$2.05; German, \$2.35 to \$2.50, and English, \$2.25 to \$2.35, with domestic \$1.95 to \$2.

FIREBRICKS—Unchanged at \$16 to \$21 per 1,000, as to brand.

METALS.

There has been a fair demand for heavy metals, the chief feature of the week being the strength in tin, which has advanced quite sharply on spot.

PIG IRON—The firm feeling already noted is fully maintained. We quote: No. 1 Hamilton, \$15 to \$15.50; No. 2, \$14.50; Ferrona, \$14.50 to \$15; Siemens, \$14.50 to \$15, and Summerlee and equal brands, \$18, ex wharf, and \$18 to \$18.50 ex yard.

BAR IRON—Quiet but steady at \$1.35 to \$1.40 f.o.b. Montreal.

HOOPS AND BANDS—There is a fair trade and values are unchanged at \$1.75 to \$2.

SHEET STEEL—A good jobbing inquiry is maintained. We quote: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON—Quiet but steady. We quote as follows: \$2.10 on 10 to 16 gauge; \$1.80 on 18 to 20 gauge; \$2 on 22 to 24 gauge; \$2.10 on 26 gauge, and \$2.15 on 28 gauge.

GALVANIZED IRON—The brisk enquiry continues and values are firm at \$4 to \$4.15 for No. 28 "Queen's Head," and \$3.75 for "Comet."

INGOT COPPER—The firm tendency is maintained and demand is good at 13c.

SHEET COPPER—Holders are disposed to ask more money, but quotations are not altered from last week. We quote as follows: 16 oz. at 16c., and 14-oz. at 17c.; tinned copper, 16 oz., 18c.; 14 oz., 18½c.; planished 14-oz., 24c.

INGOT TIN—Jobbers have made a material advance in the price of this metal, asking 18½ to 19c. this week for Lamb and Flag, and 18c. for Straits.

PIG LEAD—There has been no change in lead, which we quote at \$3.70 to \$3.80.

IRON PIPE—Demand is active at the rise, and stocks are not by any means well assorted. We quote as follows: Black pipe, ¼-inch, ⅜-inch, and ½-inch, \$2.35; ¾-inch, \$2.80; 1-inch, \$3.85; 1¼-inch, \$5; 1½-inch, \$6.70, and 2-inch, \$9. Galvanized, ½-inch, \$3.95; ¾-inch, \$4.80; 1-inch, \$6.65; 1¼-inch, \$9.15; 1½-inch, \$11.75, and 2-inch, \$16.

LEAD PIPE—Trade is active and prices steady at 7c. for ordinary, and 7½c.

TINPLATES

"Lydbrook" and "Trym" best Coke.
"Allaways" and "Dominion Crown" Charcoal.

TINNED SHEETS

"Manor" and "Dominion Crown."

CANADA PLATES

"Allaways" and "Lydbrook."

TERNE PLATES

"Dean."

These standard brands can always be relied upon.

A. C. LESLIE & CO.

AGENTS

MONTREAL

"GREENING'S

Cow Ties."

These Cow Ties have stood the test for years. Undoubtedly the best and strongest on the market.

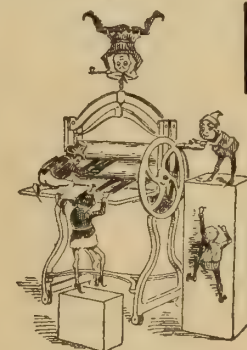
It will pay to handle only the best.

A complete line of all sizes ready for shipment. For sale by all jobbers.

The B. Greening Wire Co.

LIMITED

MONTREAL AND HAMILTON.



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited

Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASCOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

for composition waste, with 25 per cent. discount.

CANADA PLATE—Demand is on the increase, if anything, and values have a steadier tendency. We quote: 52's, \$2.15; 60's \$2.30; 75's, \$2.35; full polished, \$3; galvanized Canada plate, 52's, \$3.75.

TIN PLATE—Strong, and demand rather better. We quote as follows: Coke, I. C., \$2.90 to \$3.25; charcoal, I. C., Allaway or Comet brands, \$3.25; do, I. X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I. C., \$3.95; do, I. X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Steady, but quiet, at \$6 to \$6.25.

COIL CHAIN—As last reported. We quote: ¼-inch, \$5; 5-16, \$3.50; ¾, \$3.25; 7-16, \$3.15; ½-inch, \$3, and ⅝ up, \$2.85.

SHEET ZINC—Unchanged at 6¼ to 6½c.

SOLDER—Values firmly held at 12¼c.

ANTIMONY—A few cask lots have been moving at 9¼c., and we quote 9¼ to 9½c.

SPELTER—The outside markets continue strong on this line, and we quote \$5.50 to \$6.

GLASS.

The strength in the window glass market continues unabated, and values have again been advanced 10 to 50c., according to break, and we quote as follows: First break, \$1.70; second, \$1.80 per 50 feet; first break per 100 feet, \$3.75; second, \$4; third, \$4.50; fourth, \$5; fifth, \$5.50.

PAINTS AND OILS.

A steady demand at very firm prices is the position in this department, and, while our tabulated prices are unaltered, the tendency is steadily upward. Turpentine at shipping points is bought up as it arrives. An advance of 1c. is noted. Linseed oil with close of navigation always advances, mainly because with all our acreage we fail to grow more than half the seed wanted for home consumption, and are obliged to draw more than one-half our oil supply from England, the present season being no exception. Zinc products continue strong in European markets, at greatly advanced prices, thus threatening an advance in general, mixed paints especially, as lead shows no abatement. In colors, varnishes and general lines a fairly good fall trade is being done.

WHITE LEAD—Best brands, Government standard, \$5.62½; No. 1, \$5.25; No. 2, \$4.87½; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4½c.; kegs, 4¾c.; No. 1, casks, 4¼c.; kegs, 4½c.

WHITE ZINC PAINT—Pure, 7c.; No. 1, 6¼c.; No. 2, 5½c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 49c.; boiled, 52c., five to nine-barrels, 1c. less, ten to nineteen, 2c. less, and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 50c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8¼ to 8½c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4½ to 5½c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

PETROLEUM.

The demand for petroleum is brisk and prices steady. We quote: "Crown Acme," the new Sarnia oil, is selling at 16c. in small quantities; Canadian refined, 14c.; American prime white, 17c.; water white, 18c.; Pratt's astral, 19½c.

HIDES.

In good inquiry and steady. We quote: Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3, 7c. Lambskins, 65 to 70c.

MONTREAL NOTES.

Ingot tin is ½ to 1c. higher than it was a week ago.

An advance in linseed is expected after the close of navigation.

Window glass has advanced 10 to 50c., according to break, in this market.

ONTARIO MARKETS.

TORONTO, Oct. 21, 1898.

HARDWARE.

THE wholesale hardware trade in Toronto continues brisk, and, if anything, more so than a week ago. Wire of all kinds is quiet. Wire nails are still going out well, but prices continue low. No improvement has yet taken place in the demand for cut nails. Horseshoes and horse nails are going out well. A good, steady trade is reported in screws, bolts, rivets and burrs. Rope is quiet, but rope halters are going out well. The demand for churns has improved. Oil cans, stove furniture, coal hods, stove boards and goods of that description are all in active request. A fair trade is being done in cutlery. The skate trade is now awaiting colder weather and the sorting-up season. A good trade is to be noted in barn door hangers.

BARB WIRE—Scarcely anything doing. We quote: Four point, \$1.80 f.o.b. Toronto and \$1.85 f.o.b. London; two point at \$1.90 f.o.b. Toronto. Terms, 30 days or 2 per cent 10 days. The price f.o.b. Cleveland is \$1.75.

OAKEY'S

'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

Portland Cements

Best German, English and Belgian Brands

Calcined Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

HEADQUARTERS for BOILERS

Galvanized Range Boilers

"Reliance" } HIGH-CLASS
"Ronald's" } AMERICAN
BOILERS.

Copper Boilers

Radiators, Iron Pipe, Fittings

WRITE FOR PRICES.



ONTARIO LEAD AND
WIRE CO., Limited

TORONTO

WAREHOUSE,

55, 57, 59 Richmond St. East.

OFFICE, 54, 56 Lombard St.

Telephones 1092, 763.

ORDINARY FENCE WIRE, ETC.—There is scarcely anything being done in fence wire, but there is a little movement in annealed wire for hay-baling purposes. We quote: Annealed, oiled and annealed, bright wire, coppered steel and spring, 37½ per cent. discount off the list, with allowance of freight up to 20c. per 100 lb.; galvanized, 30 per cent.

WIRE NAILS—A steady trade is to be noted. Prices are still unsatisfactory. The idea as to base price, Toronto, is \$1.75, but for quantities this figure may be shaded.

CUT NAILS—Are still slow. Base price \$1.75 Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—Trade is fairly good. Discounts are as follows: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—A good many are going out. We quote: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—Trade is good. Discounts are: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—The demand for stove bolts is good, and some business has been done in sleigh shoe bolts. We quote as follows: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¾c.; hexagon, 5¼c.

RIVETS AND BURRS—A fair trade is to be noted. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—Little or nothing doing. We quote: Sisal, 7-16 in. and larger, 10c.; ¾ in., 10½c.; ¼ and 5-16 in., 11c.; Manilla, 7-16 in. and larger, 11½c.; ¾ in., 12c.; ¼ and 5-16 in., 13c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8½c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—A good many of these are going out at unchanged prices. We

PERMANENT BEAUTY

What everyone wants in an interior finish is assured by using

Cure METALLIC CEILINGS and WALLS

Then disfiguring cracks and dropping plaster are impossible—they can be cleaned without hurting the decoration—are fire-proof, easily applied and strictly sanitary—and may be had in different artistic patterns to suit any class of room.

Your customers will appreciate their reliable value—send for our catalogue and price list and be ready to supply them.



The METALLIC ROOFING CO., Limited

1179 King Street West, TORONTO

quote as follows: Rope halters, ¾ in., \$8.25 to \$8.50 per gross; ½ in., \$9.25 to \$9.50; ⅝ in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—A good demand has again sprung up for these. Discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Trade is light. We quote: "New Leader" "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BELTING—Business is moderate. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

BUILDING PAPER—Very little being done. We quote: Plain building, 27 to 28c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.40 for 10 oz. and \$1.45 for 16 oz. per 100 lb.; "Cyclone," 40c. for plain and 45c. for tarred; Northumberland plain, 30c.; ditto, tarred, 40c.; ditto, saturated, \$1.50 per 100 lb.; asbestos paper, 6½c. per lb.

CUTLERY—A fairly good sorting-up trade is to be noted.

FALL SPECIALTIES—A good business is being done in stove boards, coal hods, oil cans, etc.

ENAMEL WARE—The demand is keeping up fairly well.

CEMENT—The movement is quiet, with

prices unchanged. We quote in barrel lots as follows: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.50; Canadian hydraulic cements, \$1 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

METALS.

Tin is the strong feature of the market, and local quotations are ½c. per lb. higher. Galvanized iron is in good demand and dearer in England. A strong market is also to be noted for Canada plates.

PIG IRON—We quote: United States pig iron f. o. b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80. Hamilton iron, No. 1, in 100-ton lots, \$14, on track Toronto.

BAR IRON—Still very little doing. We quote base price \$1.45 from stock, and \$1.35 from factory.

HOOP AND BAND IRON—Trade continues fair. We quote: 1 to 6 inch, \$1.65 from factory, and \$1.75 per 100 lb. from stock.

SHEET STEEL—A moderate business is to be noted. We quote: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Nothing doing. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Queen's Head brand has advanced £1 per ton in England, and, while no change has been made in quotations here, the feeling is stronger. The demand continues good for galvanized iron. We quote: Queen's Head (case lots), 16 gauge, 3½c.; 18 to 24, \$3.87½c.; 26, W. G. 4½c.; 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, \$4; 26 gauge, \$3.75; 22 to 24 gauge, \$3.50. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are ¼c. per lb. higher than figures named.

INGOT COPPER—The market keeps steady. There is not much business being done. We quote: 12¼c. per lb. for quantities and 13c. for small lots.

INGOT TIN—The outside markets have continued to advance, and local quotations are ½c. per lb. higher than they were a week ago. We quote: Straits, 19c. per lb.; Lamb and Flag, 19½c. per lb.

SHEATHING COPPER, ETC.—Quiet. We quote as follows: Sheathing copper, 16 to 17c., according to weight and quantity; braziers', 15½ to 17½c. per lb., according to gauge.

PIG LEAD—The market is still without improvement. We quote: 4c. per lb.

LEAD PIPE—Trade continues good. We quote: Ordinary pipe, 7c., and composition waste, 7½c., with 25 per cent. discount.

TUBING—The demand keeps active. We quote: Block tin, 30c., and tin lined, 15c., with 10 to 20 per cent. discount.

IRON PIPE—Business is still good. We quote as follows: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.25; ½ inch, \$2.25 to \$2.30; ¾ inch, \$2.65 to \$2.70; 1 inch, \$3.75 to \$3.80; 1¼ inch, \$4.85 to \$4.90; 1½ inch, \$6.45 to \$6.50; 2 inch, \$8.70 to \$8.80. Galvanized, ¾ inch, \$3.20; ½ inch, \$3.55 to \$3.60; ¾ inch, \$4.30 to \$4.35; 1 inch, \$6; 1¼ inch, \$8.25 to \$8.50; 1½ inch, \$10.50; 2 inch, \$14.25.

RANGE BOILERS—Trade is fair. We quote: Galvanized, 30 gals. \$5.25; 35 gal., \$6; 40 gal., \$7; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES A fair number of orders are being received, but they are altogether for small sorting-up lots. Advices from Great Britain note a decidedly firm market. We quote: All-bright, \$2.85 to \$3; half-polished, \$2.35; all dull, \$2.25.

TIN PLATES—Trade is quiet, with the tone of the market strong. We quote: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

COIL CHAIN—No improvement in the

demand. We quote as follows: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; 5/8 in., \$2.80; ¾ in., \$2.75.

TINNED IRON—Dull. We quote as follows: In case lots for 22 to 24 gauge, and 2¾c. in lesser quantities; cut to size, 24 gauge, case lots, 4¾c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6¼c. for small lots.

SHEET ZINC—Trade is quiet. We quote: 6¼c. for cask lots and 6½c. for smaller quantities.

SOLDER—Business is moderate. Strictly half-and-half, 13c.; standard, 12½c. per lb.

ZINC SPELTER—Quiet. We quote 5¾c. for ton lots and 5½c. for small quantities.

PAINTS AND OILS.

General business keeps up well. There is not as much doing as is usual at this time in varnishes, and the mixed paint trade is dull, but dry colors and sundries are in satisfactory demand, and business in staples is all that could be desired. There is a firm feeling manifested in all lines, with no change in quotations, except in turpentine, which has risen 3c. this week. This advance, which was the natural result of a steady rise in values in the primary market, was anticipated by large orders from many dealers. Linseed oil rules firm, and the price in Great Britain and the United States prevents this article being imported into Canada.

We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 49c.; boiled, 1 to 4 barrels, 52c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 51c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

October is generally a good month for glass, but the briskness now manifest is exceptional. Some jobbers report trade brisker now than they have found it for years. Prices are unchanged as follows: First break in 50-foot boxes, \$1.70 and in 100-foot boxes, \$3.20; double diamond under 25 united inches, \$4.75. Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

Advices from Belgium, under date of October 10, state that the manufacturers are too busy to make prices, and that the discounts only recently named are now entirely out of the question.

OLD MATERIAL.

All lines are in good demand. A reduction of ¼c. for copper bottoms is noted. Otherwise there is no change. We quote as follows: Agricultural scrap, 47½c. per cwt.; machinery cast, 55c. per cwt.; stove cast scrap, 32c.; No. 1 wrought scrap, 40 to 50c. per 100 lb.; No. 2, including sheet iron and hoop iron, 10½c.; new light scrap copper, 8c. per lb.; bottoms, 8c.; heavy copper, 8¼ to 8½c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2c.; scrap rubber, 3½ to 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—The market is well cleaned up and there is a good demand, with prices firm. We quote: No. 1, 8½c.; No. 2, 7½c.; No. 3, 6½c.; cured, 9¼c.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Shearlings and lambskins continue to manifest a decided firmness. An advance of 5 to 10c. brings the price up to 70 to 75c.

WOOL—Market is quiet. Prices are steady at 15c. for fleece, and 10c. for unwashed.

SEEDS.

The export demand keeps steady at a basis of \$2.75 to \$4.50 in a jobbing way in Toronto, but local competition is so keen that frequently better prices are paid for choice lots. Red clover is beginning to offer more freely. For last year's stock \$3 to \$3.50 is paid. This year's crop is worth \$3.50 to \$3.75, with slightly more for exceptionally fancy stock. There is still no movement in timothy.

COAL.

Cars for transportation are so scarce that orders cannot be filled, except after much delay. The anticipated advance has not yet occurred, but prices are firm as ever. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

PETROLEUM.

Business is brisk. Prices are steady and unchanged. We quote at Toronto: Canadian, 13½c; Sarnia water white, 15c; American water white, 16½c; Pratt's astral, 16c., in bulk.

MARKET NOTES.

Galvanized iron is £1 per ton higher in Great Britain.

Turpentine is 3c. per gallon dearer on the local market.

Pig tin is quoted ½c. per lb. dearer by local wholesale houses.

PERSONAL MENTION.

Mr. A. E. Kemp, president of the Kemp Mfg. Co., Toronto, and vice president of the Toronto Board of Trade, has returned from a visit to Great Britain. Mr. Kemp represented the Toronto Board of Trade at the meeting of the British Association in Bristol.

Mr. Clarence Booth, manager of the Detroit branch of The Steel-Clad Bath and Metal Co., Limited, spent Monday and Tuesday in Toronto this week.

SAMPLE-ROOM DISPLAYS.

A subscriber writes asking the name of a firm or firms publishing a book giving illustrations regarding the displaying of goods in a sample-room.

HARDWARE AND METAL knows of no such book, but perhaps some of its readers or contemporaries do. If any of them do, will they kindly inform the editor of this paper?

D. A. Larson is starting up as general merchant in Dymont, Ont.

R. Wallace is opening out as general merchant in Langenburg, Man.

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5 Brands.

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Can be put up by the most inexperienced.
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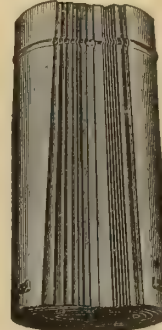
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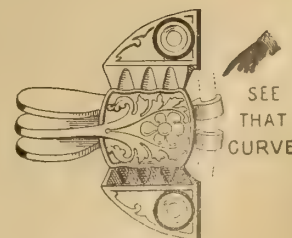
HARDWARE DEALERS' MAGAZINE

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The Philosophy of the Cooke Sash Lock:

- "A straight rod can't pass through holes that are not in line."
- "The Rod of the Cooke Sash Lock is straight."
- "The Holes in the lugs are never in line except when thumb pieces are pressed together."
- "You can't forget to lock securely; when your hand leaves the thumb pieces, the sash is locked."

SEE
THAT
CURVE**COOKE HARDWARE CO.**

HAMILTON, ONT.

ALUMINUM COAL OIL HEATER.

THE accompanying cut represents an aluminum coal oil heater, made in the United States, and handled exclusively in Canada by The McClary Mfg. Co., London, and several branch offices. This is a marvel for economy of fuel, quick and effective heating and its lightness in carrying from one room to another. It does not contain one cast piece throughout the whole stove. The body is made of specially prepared steel plate, and will not tarnish from the heat. It is trimmed with aluminum medallions, circles, etc., which always keep their color. The oil tank is placed in such



a position—surrounded by a number of air spaces—that the oil cannot possibly become heated, and the stove is therefore free from odor when in operation. Two sizes are handled by this company, one having wicks $8\frac{3}{4}$ inches and the other 10 inches in circumference. For the autumn and spring this is a desirable heater to use before setting up and taking down the larger heating stoves.

THE ABBOTTS AND BELLEVILLE.

Frank A. Mitchell, of Norwich, Conn., has been in the city for a week past in connection with a transaction by means of which the Abbotts' Iron Works will be removed to the city of Belleville. Mr. Mitchell is one of the leading bar iron men of the United States, and he has made an agreement with Belleville, according to which in consideration of his establishing rolling mills at that place he will receive a bonus of \$50,000. He is understood to have closed a bargain with the Abbotts of this city to

remove their rolling mill to the city on the Bay of Quinte. The Abbotts employ 100 men, and Mr. Mitchell's own concern will be operated by about fifty men. This will give Belleville a considerable addition to its population. It is the first step in Belleville's aggressive movement to make herself the centre of the iron industry of Ontario. The city is only thirty miles from the iron mines of North Hastings.—Herald, Montreal.

PLENTY OF STORE ROOM.

There is certainly nothing more unattractive or confusing to customers than heterogeneous quantities of goods piled together without rhyme or reason, remarks Stoves and Hardware Reporter. Viewed as a whole, they present a chaotic appearance which gives individuality to nothing and lack of character to the mass. Goods which are displayed on or in counters to attract customers' notice should have plenty of space allotted to them in order to give each one an opportunity to be seen. As has been frequently said in these columns, a proper mean must be observed in everything that appertains to the store, and a scarcity of goods may give as bad an impression as an over-supply will prove bewildering. It is true that a large quantity and ample stock gives an air of prosperity, though it is not as effective as a sufficient supply which leaves room for adequate display. Hardware particularly may be crowded so that it is impossible to get a stove into a position where the customer

may examine it carefully and in a good light. What every merchant should attempt first of all to secure is adequate space in his store. This may frequently be accomplished in great part by the neat and systematic arrangement of the goods so that no valuable space is lost by careless disposal of them. A desirable and attractive article can only be seen to advantage when taken alone, comparatively speaking. It strikes the attention more forcibly and quickly.

The W. G. Nott Bicycle Co., Brantford, Ont., have leased part of Schultz Bros.' factory in Brantford, and are now securing machinery, etc. This company will make two high-class grades of bicycles. They will build four or five models as soon as their designs are completed, and will be in shape to go on the road after January. Carl Huffmann, formerly employed with the Goold bicycle works, will superintend the works of the new company.

MINING IN QUEBEC.

Mr. Z. Obalski, Inspector of Mines for the Province of Quebec, is in Ottawa this week on his annual tour of inspection. He reports that mining operations throughout Quebec are extensive, and, on the whole, satisfactory. The copper and chrome mines in the Eastern Townships district, he says, are being operated successfully. Mr. Obalski showed a reporter a nugget worth about \$20, which was found in the placer near the Chaudiere river, in Beauce county, Quebec. The gold is fairly abundant, apparently, and is of a coarse quality. A small company has been organized, and is working in the district. The company has taken out \$4,000 worth of gold this summer. The gold is found about ten or twelve feet below the surface, on the bed rock. Referring to the find of molybdenite on Calumet Island recently, Mr. Obalski says the demand for the mineral is strong, and that if found in large quantities the mine will be worth working.

PERFECTION AUTOMATIC.

Forehand Arms Co., Worcester, Mass., is in the Canadian market with new revolvers, the "Perfection Automatic," also "Perfection Bicycle Automatic." It claims that the former is the most perfect small pistol made, weighing but 12 oz. It has rebounding lock, position stop on cylinder, and hammer blocked so that accidental discharge is impossible.

This firm is among the oldest firearm manufacturers in the United States, and has built up an enviable reputation in the manufacture of guns. Its latest in guns is the "Ejector," and Non-ejector hammerless double gun.

A handsome catalogue, giving illustrations and high testimonials, will be of interest to the Canadian trade. It can be had by addressing Forehand Arms Co., Worcester, Mass.

Do not be bulldozed

By the Manufacturer or Merchant

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Goods that are Right.

Royal Cold Blast Lanterns

WITH SAFETY EXTINGUISHING BURNERS.

Klondyke Junior Hinge Tubular Lanterns**Glimax Lift Tubular Lanterns****Globe Brand Files and Rasps****Crescent Brand Files and Rasps**

Above goods sold and warranted by all prominent jobbing houses, from Halifax, N.S. to Vancouver, B.C.

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For Sale. In the up-town residential part of Montreal, a well stocked Hardware Store, doing a good retail coal oil trade, and a good plumbing jobbing business in connection. Well established. A splendid chance for a live man with a little capital. Address, MacLean Publishing Co., Montreal. (46)

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The...

John Morrow Machine Screw Co.
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Lanterns

CAUTION.

As some jobbers are trying to substitute other Lanterns to their customers, when ours are asked for, the trade are respectfully requested to see that they get "WRIGHT'S" Lanterns when they order them, as there are no lanterns equal to them in the market.

E. T. Wright & Co.,
Manufacturers,
Hamilton, Ont.

About Horse-Shoe Nails:—

It is a matter of considerable importance to every purchaser or consumer of horse-shoe nails, that the best only shall be procured. It does not make so much difference with other nails, which are driven in wood. But with horse nails, as they are only used to attach a shoe to a horse's foot, which is a sensitive, vital structure, it is most important that the nails used should be perfect in every respect; of the best material and pattern, and free from "splits" or liability to fracture, etc. One imperfect nail, badly driven, may result in permanent disability or lameness to a horse. It is false economy, and poor buying, to take any risk when you can avoid it.

Our "C" brand horse nails have been manufactured and sold in Canada since 1865,—a period of 33 years. They have been, and are still, the standard horse nails of Canada for quality and pattern, and are without a superior anywhere. We use only the best selected Swedish (Norway) charcoal iron rolled nail rods; the best material known for the purpose. These rods are hot forged by machinery, which gives all the advantage of the old-fashioned hand-hammered process, but with greater uniformity. After being pointed and finished by patented machinery, used only in our works in Canada, they are all further examined singly by hand, and every nail not up to our high standard for "C" brand, is thrown out for scrap or "culls." Every horse shoe nail we sell under our "C" brand is warranted perfect and ready for immediate use. They will be replaced free of charge if found otherwise to any purchaser. If the dealer from whom you usually purchase cannot, or will not supply you with our nails, write us direct and we will give your name to nearest dealers who will supply the "C" brand. Samples and price lists furnished on application.

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one, but your customer does not. He
don't want a machine because it is called
an Upsetter; he wants a machine to upset
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**TRUE BRAND
CUTLERY.**Gives universal satisfaction. Every blade stamped with
our name or trade mark we guarantee to be made of the
best steel.**E. F. WALTER & CO.**

MONTREAL

A DEBT COLLECTING WRINKLE.

"Speaking of collecting bills," said the man from the west, "we have a most effective method in Chicago. There, instead of young men they employ young women. I tried it myself and it worked like magic. A fellow by the name of Green owed me a small bill, a matter, I think, of \$17 or so. It seemed impossible to make him pay it, so I engaged the services of a pretty and stylish girl. I sent her around to his office. He was out. She called again. He was still out, but nothing daunted she made the third and the fourth call. The fourth time he was in, but he firmly refused to pay the bill.

"Look here, Mr. Green," said the girl, "I will make a proposition to you. If you will pay 5c. a day on this bill I will call each day and collect that amount until you have paid it in full."

"But Green was a hard party. He again refused, and the girl left the office apparently crestfallen. The next day she did not call at his office, but she did call at his house. The door was opened by the servant.

"Is Mr. Green in?" asked the young woman.

"No, ma'am."

"The girl left, but it seems that the servant duly reported the call, of the pretty and stylish young woman who was so anxious to see Mr. Green, to his wife. The next day, when the young woman again called, the wife hung over the banisters, taking a peep at the caller on her own account. The young woman asked if Mr. Green was in.

"No, ma'am," answered the servant, "but his wife is." The wife had told her to say this, of course.

"His wife!" stammered the girl, "why, has Mr. Green a wife?"

"The wife, hanging over the banisters, heard this. She turned pale and gasped for air, while the girl, seemingly very much confused and distressed at her discovery, went on down the steps and into the street. It is impossible to say just what happened at that house. But one thing I do know—the next day Green promptly paid the \$17. And the girl didn't call at his office for it either. He came around and handed me the money himself, and he seemed to think he was getting off pretty easy at that."—The Sun.

NEW INVENTIONS.

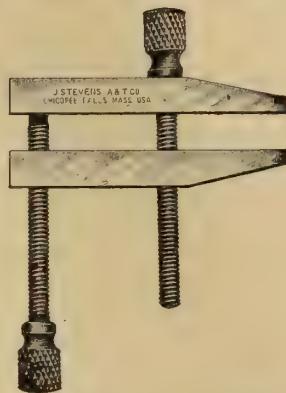
Below will be found a list of patents recently granted to Canadian inventors by the Canadian Government, through Marion & Marion, solicitors of patents and experts, New York Life Building, Montreal. Nos. 61283, Chas. W. Ross, Sinteluta, Assa, improvements in pitmans; 61297, Moise Viau, Montreal, swimming suits; 61300, Flavie M. Rodier, Montreal, skates; 61334 Nap. Guillemette, Three Rivers, improvements in locks.

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When placing orders for Edge Tools and Axes always specify "**Warnock's.**"

EVERY TOOL GUARANTEED.

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Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

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PERFECTION AUTOMATIC REVOLVER.

NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.



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Manufacturers of
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HALIFAX, N. S. and 747 CRAIG STREET, MONTREAL.

HEATING AND PLUMBING

EXPANSION AND CONTRACTION, OF PIPE AND JOINTS.

EXPANSION and contraction of lead pipe or sheets, soldered or wiped together, is a subject likely to be more or less of interest, writes T. H. W. in Sanitary Plumber. In almost all cases where the destruction or disintegration of supply pipes, or at near joints or soldered seams, becomes a fact, the explanation usually afforded is that it is caused by galvanic action. This is not the immediate, but a remote cause, and, by way of proof, would mention that class of joints, of which every plumber knows, which remain sound as long, perhaps, as he can remember, and will probably remain so for an indefinite period. If galvanic action, therefore, were the cause of the destruction of joints, why should its action leave these sound joints intact, and destroy others?

To show that it is to expansion and contraction, and not to galvanic action, the cause of disintegration should be properly charged, we will take the plumbing of an ordinary house. It is no matter if the job has been done for 50 years, the joints which were made by the plumber who did the work, if well made at the time, will be found in good sound condition, unless, perhaps, the kitchen with the boiler and its connections.

It is in this vicinity you will hear of all the leaky joints and most of the broken pipes, and these are likely to be attributed to galvanic action. But this is wrong. On first firing up a job, expansion takes place, the thrust being greatest in the direction of the length of the pipe. On coaling or change of water, which is equivalent to being more secure than letting the fire out, there is a contraction or draught, tending to pull the pipe asunder. This first draught decides with a certainty the point where the pipe will part, which is in ninety-nine cases out of a hundred near where the lead and solder unite, but not at the point of their union; almost in every instance it will be from $\frac{1}{4}$ to $\frac{1}{2}$ inch from it. Why this expansion should work near the hard substance is not yet clear to me; but that galvanic action has nothing to do with it I am positive. Being a lead burner, I have made all joints of the one metal, but the joint being heavier or stronger, the break would occur in the same vicinity to the united parts. The same may be said of seams on sheet lead work; if the sheet is battered and soldered or burnt, it will resist

this action and throw the buckle into the sheet; but, if lapped, the seam will go, or the break will be so near it that a casual observer would say it was the seam that gave out. With pipes which have solder seams my experience has been that it always acts near the seam; the place most often found being where the plumber drew his compass when making his mark to soil to. These observations have reference to lead and solder.

Now for the lead and brass connections. With these, my experience has shown that a very large percentage is in the joint itself; that is, the solder loses its density, and, by constant movement, becomes granulated. I account for this by the great difference in the expansion of the two metals, after considering the distance that the brass is enclosed in the solder, which, in most cases, is from 1 to $1\frac{1}{4}$ inches. Now, this end is exposed to a greater heat and consequent expansion than the solder in which it is enclosed. In the case of couplings of small diameter, the action is more with the length of the tube, and, in almost every case, the joint will part near the centre and through its thickest portion. To explain this, the first movement is a thrust of the brass against the end of the lead pipe; then, when it recedes, leaving a miniature crack, which is corroded by the action of the water, or filled with sediment. This acts as a wedge; the next time the brass moves, it divides this thin deposit and still further strains the solder, giving the water another opportunity to deposit its sediment, and so on, until there is a slight sweat or leak at the surface of the joint, this being the first visible defect. This does not show when the changes in temperatures are gradual, but, in sudden or extreme changes, it shows water.

Sometimes this will not give much trouble

for some time—for a month or more—but sooner or later it gets so bad that the plumber is sent for with the remark that they seem to have a way of making their joints so that they can tell within a day of the time they will be needed around again. If this trouble were caused by galvanic action, the rupture would be between the two metals, and not through the thickest and strongest part of the joint, as shown. It is a clear case of actual wear, the movement tending to destroy, disintegrate, and granulate the softer metal.

I have yet to see a joint on a free end give out from any of the above causes, be it either on brass or lead. I am not in favor of brass, but my opinion of the departure of late from the use of honest lead put up by good workmen and the use of brass and other pipes for hot water is, that it is due to a lack of knowledge on the part of men who have the "say" in these things in preference to the opinion of men of actual experience. I admit that at or near the heaters the pipe to be used should be of brass or iron; this does not by any means indicate, however, that brass pipe should be used throughout the job.

I might here ask: How do the advocates of the new system expect to keep the joints which, in most cases, are at the ends of connections, as they are called, and which consist of a piece of lead pipe, from one to two feet in length, which is joined to the brass pipe at one end and the coupling on the fixture at the other, from this destructive influence? I claim that, outside the main circuit, if there is circulation, lead is as good as brass, and as healthy if there is no circulation.

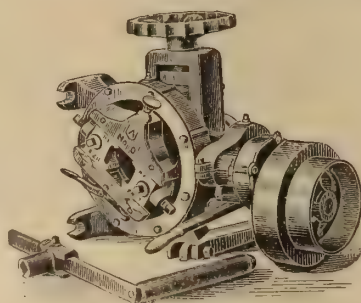
Lesperance & Terriault, Montreal, have the plumbing, heating and roofing of St. Clermont church, Viauville.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

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Armstrong's Adjustable Stocks and Dies,
Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

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Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

PATENTS PROMPTLY SECURED

Write today for a free copy of our interesting books "Inventors Help" and "How you are swindled." We have extensive experience in the intricate patent laws of 50 foreign countries. Send sketch, model or photo for free advice. **MARION & MARION, Experts,** New York Life Building, Montreal, and Atlantic Building, Washington, D. C.

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.
Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
Wholesale trade only.

IRON PIPE and FITTINGS

Valves and appliances for

STEAM and HOT WATER HEATING.

THE JAS. MORRISON BRASS MFG. CO.
TORONTO Limited

We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and Copper Finish.

ALL SIZES IN STOCK. SEND FOR PRICES.

H. R. IVES & CO., Montreal.**HEATING AND PLUMBING CONTRACTS.**

JOS. LAMARCHE, Montreal, has the plumbing, roofing and heating of 12 flats belonging to J. P. Martel, corner St. Urbain street and Duluth avenue; the plumbing, roofing and heating of two houses on Laval avenue, belonging to T. Deslauriers; the heating of the post office at Windsor, N.S.; the heating and ventilation of the Halifax drill hall; the plumbing, heating and roofing of six flats on St. Denis street, belonging to O. Druin; the plumbing, heating and roofing of houses for the L'Eclair estate, St. Urbain street.

The Bennett & Wright Co., Limited, Toronto, have the contract for plumbing and heating the Gale Mfg. Co.'s new factory on Mincing Lane.

Jas. Boureur & Co., of Montreal, have the contract for the plumbing and roofing of eight houses for J. Mathieu, Centre street; the plumbing and roofing of five houses for Mr. Trudel, St. Henry; the plumbing and roofing of three houses for P. Gagnon.

Mashinter & Co., Toronto, have contracts for hot water heating in a residence for Mrs. Ellis, on the west side of Huntley street, Rosedale; for plumbing and heating a residence for J. Crawford Scadding, on Bloor street, and for the plumbing in a store on King street east, for the Western Canada Loan Co.

MONTREAL BUILDING PERMITS.

Permits have been issued in Montreal, during the past two weeks, as follows: The Nicholls Chemical Co., of Mullin street, for a warehouse, to cost \$1,000; The Gould Cold Storage Co., a warehouse on the corner of Grey Nun and William streets, to cost \$6,000; Victor Lahais, two dwellings on Mount Royal avenue, to cost \$2,300; Thos. Kneen, two dwellings on Concord avenue, to cost \$1,100; Jos. Pelier, two dwellings on Chenier street, to cost \$2,000; F. E. Smith, one dwelling on Crescent street, to cost \$3,000; A. Lamarie, one

dwelling on Knox street, to cost \$1,300; A. Charron, two dwellings at St. Hyacinthe, to cost \$3,000.

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto, to Mrs. J. E. Ellis, for a two-storey and attic brick residence on Huntley street, Rosedale, to cost \$3,500; to C. C. Fry, for a two-storey and attic residence on Shaw street, near Arthur, to cost \$4,500; to C. Evans, for a two-storey and attic brick residence at 443 Euclid avenue, to cost \$4,000; to the General Hospital Trust Board, for four dwellings at 426 to 432 Adelaide street west, to cost \$4,000; to M. A. Blackwell, for a two-storey and attic residence at 164 Jameson avenue, to cost \$2,300; to Patrick Maher, for a two-storey driving shed at 19 Bloor street east, to cost \$4,000.

THE PLUMBING SCHOOL.

The Council of Arts in connection with the industrial classes of the Province of Quebec, inaugurated the various classes for the fall term, in the Monument National hall, Montreal, on Monday, Oct. 17. It was decided to open the plumbing school (in connection) on Friday, Oct. 21, and prospects are favorable for an increase in attendance over last year. The average attendance last year was 30 and indications point to an attendance of 50 this year. The curriculum will be about the same as explained in a recent issue of **HARDWARE AND METAL**.

The question is under discussion for further consideration, by the committee in charge, as to the advisability of introducing steam-heating and steamfitting into the class.

PLUMBING AND HEATING NOTES.

The John Ritchie Plumbing and Heating Co., Limited, Adelaide street east, Toronto, have taken the store next to their present premises. The two stores will be combined to make a larger and more complete showroom than the company now possess.

MONTREAL PLUMBERS' UNION.

The Plumbers' Union have obtained their charter at last from Chicago, and at their meeting, on Friday, the 14th inst., about 25 new members were installed. The desire was expressed that it would be in the interests of all to be thoroughly in accord with the Master Plumbers' Association. The meeting nights are the second and fourth Fridays in each month.

BENEFITS OF UNTRUTHFUL "ADS."

I have frequently heard merchants complain that they could not make their advertising pay because their wicked competitors made so many exaggerated statements. There never was a greater mistake made. A competitor can work for your success in no better way than by lying in his own advertising. It does not take people long to find out which one is telling the truth. It does not do any harm to tell them occasionally that you adhere strictly to the letter of your advertisements, and that they can depend absolutely on every printed word. This need not be done in a pharisaical manner, and care should be taken that it does not have this appearance. — Charles Austin Bates.

SHOWROOMS IN TORONTO.

The Gurney-Tilden Co., Limited, Hamilton, have opened up offices and showrooms at 134 Bay street, Toronto. Mr. Taylor, who is in charge of this branch, extends an invitation to all dealers in heating apparatus, whether from Toronto or outside points, to call in and see the samples on display.

MATCH FACTORY FOR WINNIPEG.

Erick Sedvall is asking a bonus of \$15,000 from Winnipeg, for which consideration he offers to establish a first-class match factory at a cost of \$50,000, and to employ, from the start, 50 hands. This number would be increased to 150 by the end of three years.

SNIDER RIFLES



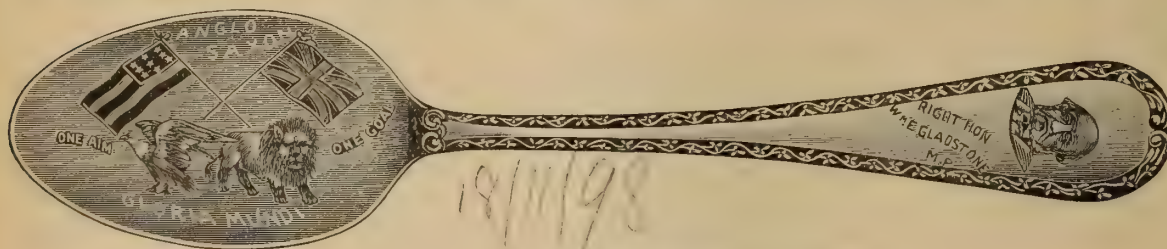
As advised in a recent issue, we have bought the entire stock of this arm from the Government, and are prepared to name very low prices on application. We can supply ammunition for the Snider Rifle at very low rates. This is an opportunity to get a good serviceable arm for very little money.

LAMPLOUGH & McNAUGHTON,

59 St. Sulpice Street,

...MONTREAL.

Souvenir Spoons, in Electro Plate



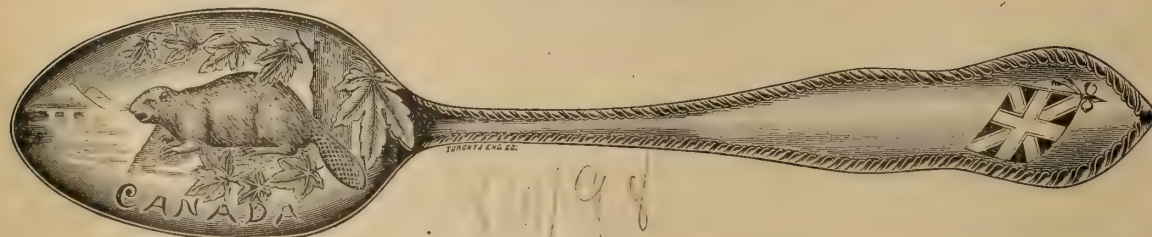
ANGLO-SAXON PATTERN.

PRICE LIST



Anglo-Saxon Pattern . .

Tea Spoon size, \$6.00
per doz., list.



CANADA PATTERN.

Canada Pattern

Coffee Spoon size, \$3.60
per doz., list.

Tea Spoon size, \$6.00
per doz., list.

Less 50 per cent. Trade
Discount.

The above are in Bright finish, with gilt bowls, flags enamelled in natural colors.

Illustrated Supplementary Catalogue and sheets of Electro Silver-Plated Specialties mailed to the trade on application.

The TORONTO SILVER PLATE CO., Limited

Silversmiths and Manufacturers of Electro Silver Plate.

Factories and Salesrooms, King St. West

TORONTO, CANADA.

E. G. GOODERHAM, MANAGER AND SEC.-TREAS.

CORDAGE

**All Kinds
and for all Purposes.**

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord

Marline
Houseline
Hambroline
Clotheslines

Halyards
Deep Sealine
Ratline
Plow Lines

Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

Consumers Cordage Company, Limited

— MONTREAL, QUE.

WM. B. STEWART, Agent, 20 Front Street East, TORONTO.

Tel. 94.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
 Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
 Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
 Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.

Shot.
 Canadian, common, 7½ per cent.
 Brass Shot Shells, 55 and 10 per cent.
 Primers, Dom., 30 per cent.
 Wads.

Best thick white felt wadding, in ½-lb bags, 1 00
 Best thick brown or grey felt wads, in ½ lb. bags, 0 70
 Best thick white card wads, in boxes of 500 each, 12 and smaller gauges 0 99
 Best thick white card wads, in boxes of 500 each, 10 gauge 0 35
 Best thick white card wads, in boxes of 500 each, 8 gauge 0 55
 Thin card wads, in boxes of 1,000 each, 12 and smaller gauges, 0 20
 Thin card wads, in boxes of 1,000 each, 10 gauge 0 25
 Thin card wads in boxes of 1,000 each 8 gauge 0 70
 Chemically prepared black edge grey cloth wads, in boxes of 250 each— Per M.
 11 and smaller gauge 0 60
 9 and 10 gauges 0 70
 7 and 8 gauges 0 90
 5 and 6 gauges 1 10
 Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
 11 and smaller gauge 1 15
 9 and 10 gauges 1 40
 7 and 8 gauges 1 65
 5 and 6 gauges 1 90

Anvils.
 Per lb. 0 10 0 12½
 Anvil and Vice combined, each, 4 50
 Wilkinson & Co.'s Anvils, lb. 09 09½
 Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
 Gilmour's, discount 65 p.c. off revised list.
 Hollow Stern's, per dozen, 13 00 20 00
 Adjustable Stern's, each, 4 50 6 50
 Post-hole, Vaughan's, each, 60 90
 Excelsior, Jennings', discount 50 per cent.

Awls.
 Sewing, per gross 0 65 1 59
 Pegging, " 0 65 1 25
 Brad, " 0 85 1 60
 " handled, per gross 3 60 30
 Saddler's, per gross 0 45 1 60

Awl Hafts.
 Patent Peg, per gross, } 7 25 8 00
 " Sewing, per gross, }

Awl and Tool Sets.
 Millar's Falls, per doz. 2 80 3 30

AXES.
 Splitting Axes, 5 25 5 50
 Chopping Axes—
 Single List, per doz. 6 00 12 00
 Double List, " 11 00 18 00
 Bench Axes, 40 and 10 p.c.

Axle Grease.
 Per gross 6 00 13 00

Bath Tubs.
 Zinc, discount, 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list. Boxing extra

Anti-Friction Metal.
 "Tandem" A. 0 19
 " B. 0 16
 " C. 0 10½
 " Monarch 1. 0 21
 " 2. 0 15
 " 3. 0 10
 "Canadian" 0 08½
 Magnolia Anti-Friction Metal, per lb. 0 25
 No Name Metal, " 0 15
 Mystic Metal, " 0 10
 F. O. B. New York or Chicago.

Bells.
 Hand.
 Brass, 60 per cent.
 Nickel, 55 per cent.

Door.
 Gongs Sargent's, 5 50 8 00
 Peterboro', discount 50 per cent.

Cow.
 American make, discount 66½ per cent.
 Canadian, discount 45 and 50 per cent.
 Farm.
 American, each 1 25 3 00
 House.
 Amer. per 0 35 0 40

Bellows.
 Hand, per doz. 3 35 4 75
 Moulders, per doz. 7 50 10 00
 Blacksmiths', discount 60 per cent.

Belting.
 Extra, 45 per cent.
 Standard, 45 and 10 per cent.
 Agricultural, 60 and 10 p.c.

Bench Stops.
 Per doz 5 00 6 00

Bits.
 Auger.
 Gilmour's, discount 65 and 5 per cent.
 Excelsior, discount 60 per cent.
 Rockford Common, 70 to 70 and 10 per cent.
 " Perfection, 50 and 10 per cent.
 Jennings' Gen., net list to 5 p.c. discount.
 Car.
 Gilmour's, 47½ to 50 per cent.

Expansive.
 Clark's 40 per cent.
 Excelsior, 10 per cent.
 Gimlet.
 Clark's, per doz 0 65 0 90
 Diamond, Shell, per doz 1 00 1 50
 Nail and Spike per gross 2 25 5 20

Blind Rollers.
 Annex, per doz 1 25 1 75
 Mascott, " 1 35 1 85
 Erminie, " 1 00 0 90

Blind and Bed Staples.
 All sizes, per lb 7¼ 0 12

Bolts.
 Carriage, dis. 60 and 10 to 70 p.c.
 Tire, dis. 70 and 5 per cent.
 Stove, dis. 70 p.c.
 Elevator, dis. 35 to 40 per cent.
 Machine, dis. 70 p.c.
 Coach Screws, dis. 70 and 10 p.c.
 Plough bolts, 60 p.c.

Boring Machines.
 Complete, with augers, each, 5 00 7 50

Braces.
 Barber's 6 00 7 75
 Barber's Ratchet 10 00 11 00
 Farmers 2 00 2 75
 Millar's Falls 15 50 29 00

Brackets.
 Shelf.
 Japanned Canadian, per doz. 0 50 3 40
 Berlin Bronze Canadian 0 85 3 20

Broilers.
 Light, dis. 65 to 67½ per cent.
 Reversible, dis. 65 to 67½ per cent.
 Vegetable, per doz., dis. 37½ per cent.
 Henis, No. 8, " 6 00
 Henis, No. 9, " 7 00
 Queen City " 7 50 0 00

Butchers' Cleavers.
 German, per doz. 6 00 11 00
 American, per doz. 12 00 20 00

Butts.
 Brass.
 Wrought Brass, dis. 17½ p.c. revised list.
 Cast Iron.
 Loose Pin, dis. 70 per cent.

Wrought Steel.
 Fast Joint, dis. 70, 10 and 5 to 75 p.c.
 Loose Pins, dis. 70, 10 and 5 to 75 p.c.
 Berlin Bronzed, dis. 70, 70 and 5 per cent.
 Gen. Bronzed, per pair 0 40 0 65

Can Openers.
 Acme, per gross 9 00 10 00
 Sardine Scissors, per doz 3 75 4 50

Card.
 Horse, per doz. 0 60 1 00

Carpet Stretchers.
 American, per doz 1 00 1 50
 Bullards, per doz 6 50

Carpet Sweepers.
 Bissell, per doz 22 50
 World, " 21 75
 Dair, " 24 00
 Crown Jewel, per doz. 29 00
 Grand Rapids, " 24 00 33 00

Cartridges.
 (See Ammunition.)

Castors.
 Bed new list, dis. 55 to 57½ per cent.
 Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
 Nos 31 and 32, per gross. 8 50 50

Cement.
 Canadian, Portland 2 50
 English 2 85
 Belgium 2 75
 Canadian hydraulic 1 20
 Figures are for barrel lots.

Chalk.
 Carpenters Colored, per gross 0 45 0 75
 White lump, per cwt 0 60 0 65
 Red, " 0 05 0 06
 Crayon, per gross 0 14 0 18

Chisels.
 Socket, Framing and Firmer.
 American, dis. 75 per cent.
 Canadian, dis. 40 and 5 per cent.
 Tanged firmer, per doz 0 85 4 00

Churns.
 Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.

Clamps.
 Judds', dis. 20 per cent.
 Stearns', per doz 3 00 10 00

Clips.
 Axle dis. 65 per cent.

Closets.
 Washout, plain 3 25
 " embossed 3 50

Coffee Mills.
 Box 3 60 13 00
 Side 3 60 4 00
 Enterprise, No. 0 1 35
 No. 2 70

Compasses, Dividers, Etc.
 American, dis. 62½ to 65 per cent

Cradles, Grain.

Canadian, dis. 20 per cent.
Dies.
 Hart Mfg. Co. (pipe es), (Amer. list), dis 40 per cent.
 Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.

Torrey's Rod, per doz. (15 p.c. 2 00
 Coil, per doz 0 88 1 60
 English per doz. 2 00 4 00

Draw Knives.

American, dis. 70 and 10 per cent.
 Canadian, dis. 25, 50 and 10 per cent.

Drills.

Hand and Breast
 Millar Falls, per doz. 16 00 51 50
 P. S. & W., dis. 40 per cent.

DRILL BIT.

Orse, dis. 37½ to 40 per cent.
 Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.

Stovepipe. 85 1 70
 Per doz

FAWCETS.

Cork Lined, per doz. 0 30 0 35
 Wine, per doz. 1 30 3 25
 Star, " 2 80 3 90
 Fenn's Corkstops, No. 2, per dozen 1 70
 Petroleum, per doz. 4 50 6 50

FILES.

Globe File Mfg. Co.'s dis. files, 30 and 10 to 70 per cent.
 Black Diamond, 50 and 10 to 60 per cent.
 Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
 Nicholson File Co., 50 and 10 to 60 per cent.
 Jowitt's, English list, 25 to 27½ per cent.
 American, 60 to 60 and 5 per cent.
 Great Western, 60 and 10 per cent.
 Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.

FLUTING MACHINES.
 Each 0 60 2 00

FORKS.

Hay, manure, etc., dis. 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS

Ice Cream.
 Gem from \$1.25 to \$7 net.
 White Mountain, 1 to 25 qt. 1 35 13 50
 Arctic, dis. 50 p.c.

FRUIT PRESSES.

Henis', per doz. 3 25 3 50
 Shepard's Queen City, dis. 15 per cent.

FRY PANS.

Acme, dis. 65 to 67½ per cent.

GAUGES.

Marking, Mortise, Etc.
 Stanley's, dis. 50 to 55 per cent.

Wire Gauges.

Winn's, Nos. 26 to 33, each. 1 65 2 40

GLASS.

Window.
 Box Price.

Size United Inches.	Star.		Double Diamond.	
	Per 50 ft.	Per 100 ft.	Per 50 ft.	Per 100 ft.
Under 25	1 70	3 20	4 75	
26 to 40	1 85	3 50	5 25	
41 to 50		3 90	6 00	
51 to 60		4 20	6 75	
61 to 70		4 50	7 50	
71 to 80		4 90	8 50	
81 to 85		5 50	9 50	
86 to 90		6 50	11 25	
91 to 95			13 00	
96 to 100			15 00	
101 to 105			17 00	
106 to 110			21 00	

GLUE POTS.

Tinned, each 0 30
 Enamelled each 0 55

GRINDSTONE FIXTURES

Per doz. 3 60 4 00

HALTERS.

Rope, ¾ per gross 8 25 8 50
 " ½ " 9 25 9 50
 " ¼ " 11 00 11 25
 Leather, 1 in., per doz. 3 87½ 4 00
 " 1½ in., " 5 15 5 25
 Web, — per doz. 1 87 2 40

HAMMERS.

Nail
 Maydole's, dis. 5 to 10 per cent. Can., dis 25 to 27½ per cent.

Tack.

Magnetic per doz. 1 10 1 20
 Sledge.
 Canadian, per lb 0 07½ 0 08½
 Ball Pean.
 English and Can., per lb. 0 22 25

HANDLES.

Axe, per doz., net, 1 50 2 00
 Store door, per doz. 1 00 1 50
 Chest, per doz. pairs. 0 40 2 50

Chisel.

Firmer, per gross 3 00 4 50
 Socket Firmer, per gross 3 25 8 00
 Socket Framing, per gross 3 75 5 00

Fork.

C. & B., dis. 45 per cent. rev. list.
 Hoe.
 C. & B., dis. 45 per cent. rev. list.

Saw.

American, per doz. 1 00 1 25
 Plane.
 American, per gross. 3 15
 Hammer and Hatchet.
 Canadian, 45 per cent.

Cross-Cut Saw.

Canadian, per pair 0 13½ 0 20

HANGERS.

Door, 4 and 5 inch, per pair. 0 40 0 50
 Lanes, 62½ per cent.

HATCHETS.

Canadian, dis. 40 to 42½ per cent

HINGES.

Blind, Parker's, dis. 60 and 10 to 65 per cent
 " Shepard's Noiseless, dis. 60 per cent
 " Buffalo, dis. 60 to 70 p.c.
 Light T and strap, 70 and 10 p.c.
 Heavy, per lb 0 03¾ 0 04¾

Screw hook and hinge—
 6 to 12 in., per 100 lbs. 3 15
 14 in. up, per 100 lbs. 2 35

Screw, Eureka. 1 13 1 80
 Gate, Clark's 1 50 2 20
 " Shepard's, dis. 50 to 60 per cent.

Spring. per gro. pair 9 50
 " Shepard's Samson. 1 20

HOES.

Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
 Planter, per doz. 4 00

HOOKS.

Cast Iron.
 Bird Cage, per doz 0 50 1 10
 Clothes Line, per doz 0 27 0 63
 Harness, per doz 0 72 0 88
 Hat and Coat, per gross. 1 00 3 00
 Chandelier, per doz 0 50 1 00

Wrought Iron.

Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.

Hat and coat, dis. 60 to 60 and 10 p.c
 Belt, per 1,000 0 60 0 70
 Screw, bright, dis. 65 and 10 per cent

HORSE NAILS

"P. B.", dis. 50 p.c.
 "O" brand, 50 p.c. dis. } Oval head.
 "M" brand 50 p.c. }
 Acadian, 50 and 20 p.c., countersunk head.

HORSE SHOES.

F.O.B. F.O.B.
 Iron Shoes. Montreal Toronto*
 Light, medium, and heavy. 3 15 3 25
 Snow shoes 3 40 3 50

Steel Shoes.

Light, all sizes 3 35 3 45
 Extra light 4 50 4 60
 Toe weight (steel) 5 50 5 60
 *Also Hamilton, London, Guelph, St. John Halifax.

ICE PICKS.

Star, per doz. 3 00 3 25

KETTLES.

Brass spun, 7½ p.c. dis. off new list.
 Copper, per lb. 0 30 35
 American, 60 and 10 to 65 and 5 p.c.

KEYS.

Lock, Can., dis. 50 p.c.
 Cabinet, trunk, and padlock,
 Am. per gross. 1 60

KNOBS.

Door, japanned and N.P., per doz. 0 90
 Bronze, Berlin, per doz. 2 75 3 25
 Bronze Genuine, " 6 00 9 00
 Shutter, porcelain, F. & L. screw per gross. 1 30 4 00

KNIVES.

Clauses, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.
 Christie, bread, cake, and paring knives, \$7.00 doz. sets, with 10 p.c. off.

Hay knives, spear point, L or T handle, 60 10 and 5 per cent.
 Lightning, per doz. 6 50 8 40
 Heath's, \$7.75 net.

LADLES.

Melting, per doz. 1 70 4 50

LEMON SQUEEZERS.

Porcelain lined, per doz. 2 20 5 60
 Galvanized, " 1 87 3 85
 King, wood, " 2 75 2 90

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays to any address on receipt of

10 cents

HARDWARE AND METAL, Toronto

THE PRESS CLIPPING BUREAU

Reads every newspaper in Canada and clips therefrom all articles of a business or personal nature of interest to subscribers in this department.

Politicians can obtain from it everything the papers say about themselves on any subject in which they are interested. Business men learn of new openings for trade, pointers to sell goods, addresses of people likely to become buyers, tenders wanted, stocks for sale or wanted, reports of new industries or stores, etc.

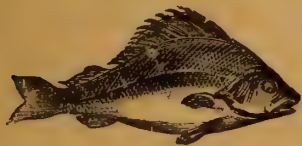
Terms—\$5 per hundred clippings: \$40 per thousand, payable in advance; but a yearly contract will be found the most satisfactory.

We have also lists of firms in every branch of trade in the Dominion, the professions, club members, society, etc., and we are prepared to address and mail circulars or letters to these at any time.

THE PRESS CLIPPING BUREAU . . .

Board of Trade, Montreal

Fishing Tackle.



ALLCOCK'S STAG BRAND

goods are the best. When you buy from us you buy from the largest makers and oldest house in England. Established 1800.

The Allcock, Laight & Westwood Co., Limited
73 Bay Street, TORONTO, and
REDDITCH, ENGLAND.

Sole wholesale selling agents for THE DOMINION
HAMMOCK MANUFACTURING CO., Paris, Ont.

CHARLES F. CLARK,
President.

J. CHITTENDEN,
Treasurer.

ESTABLISHED 1840.

THE BRADSTREET MERCANTILE AGENCY

THE BRADSTREET COMPANY,

Executive Offices Proprietors.

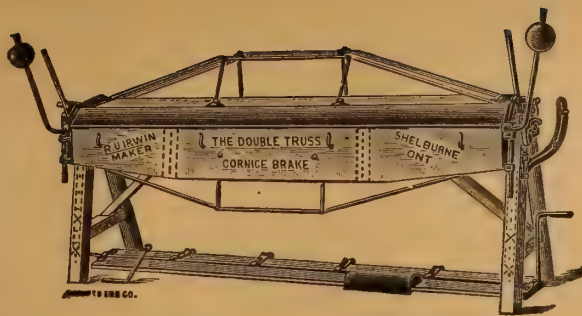
NOS. 346 348 BROADWAY NEW YORK

Offices in the principal cities of the United States, Canada, the European Continent, Australia, and in London, England.

The Bradstreet Company is the oldest and, financially, the strongest organization of its kind—working in one interest and under one management—with wider ramifications, with more capital invested in the business, and it expends more money every year for the collection and dissemination of information than any similar institution in the world.

TORONTO OFFICE.

McKinnon Building, Cor. Jordan and Melinda Sts.
THOS. C. IRVING, Superintendent



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, \$50

Very handy bender attachment, \$10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELburne, ONT.

It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

FULL LINE OF

WAREHOUSE (Portable or Dormant) HOPPER SCALES

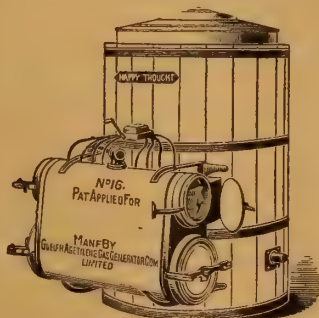
DAIRY SCALES, COUNTER SCALES WAGON SCALES

TRACK SCALES

THE GURNEY SCALE CO., - Hamilton, Ont.

WALTER GROSE, 30 St. Dizier St., Montreal, Que.

Agent for Montreal and Eastern Provinces.



ACETYLENE GAS

Perfect Light

Perfect Safety

Our Machine is Automatic. Safe.

Sold only through the local Hardware and Plumbing Trades, etc.

No Peddling.

Write Us.

THE GUELPH ACETYLENE GAS CO. Limited

GUELPH, ONT.



"BUILD TO-DAY THEN,
STRONG AND SURE.
WITH A FIRM AND
AMPLE BASE."
—Longfellow.

DO YOU?

WISH THUS TO BUILD
an advertisement
in the
CONTRACT-
RECORD,
TORONTO
will bring you
tenders from the
best contractors

Canadian Mining Institute

**PROSPECTORS'
CORRESPONDENCE
CLASSES
A SPECIALTY.**

Write for particulars.

Est. 1863

Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve

Medals



Awarded
By **JURORS** at
International Expositions
Special Prize

Gold Medal at Atlanta, 1895



HAVE YOU TRIED IT?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

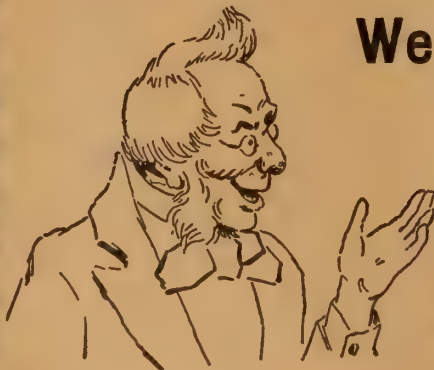
THE CUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

We are Headquarters for

PAINTS, OILS AND VARNISHES



and, in fact, everything
the Painter uses, from the Dry Colors to the Finishing Coat
of Varnish. We manufacture everything ourselves; therefore
we cannot be deceived by adulteration, and we know what we
are saying when we make claims for our own productions.

The JAMES ROBERTSON CO., Limited 263-285 King Street West, Toronto

Telephones 819, 1511 and 1292.

THE PAINT MAKERS

Sterling Value
Langwell's Babbitt
--Montreal.

CANADIAN

HARDWARE

AND METAL
MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X.

MONTREAL AND TORONTO, OCTOBER 29, 1898.

NO. 44



Magnolia Metal

*Best Anti-Friction Metal for
all Machinery Bearings.*

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamped
on the under side of
each bar.



MAGNOLIA METAL COMPANY

LONDON OFFICE—49 Queen Victoria St.
CHICAGO OFFICE—Traders' Building.
MONTREAL—Caverhill, Learmont & Co.
General Dominion Agents.

Owners and Sole Manufacturers,
266 and 267 West St., New York

"Beauty is only
Skin-deep,"



CANADA

but the beauty of "Queen's Head" Iron
is far deeper than that, for it is due to the purity of the gal-
vanizing, and that is why it does not peel like so many other
brands when subjected to heat.

JOHN LYSAGHT, Limited
BRISTOL and MONTREAL

CANADA'S BEST RADIATORS

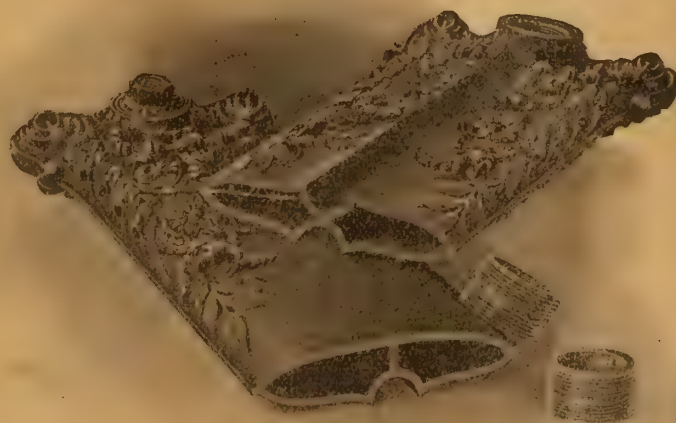
Safford For
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or
Water

Prompt Shipments from Stock.

PRICES LOW

Quality Unequalled

Guaranteed to Stand 140 lbs.



Dominion Radiator Company

Formerly
The Toronto Radiator Company.

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TORONTO, ONTARIO.

RICE LEWIS & SON

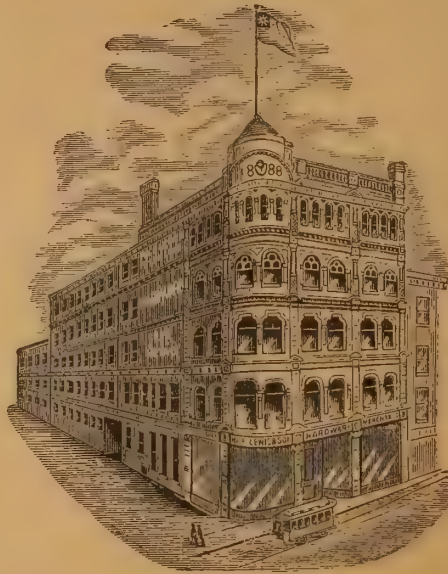
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MANTELS
GRATES
TILES
Cutlery . .

FINE BUILDERS' HARDWARE.

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Anything in....

Copper

THE range of our product is from the smallest article possible to make to the largest work ever used or required.

COPPER WORK

made to any desired specification or design.

We have always on hand a large stock of

Sheet Copper and
Copper Tubing

CORRESPONDENCE SOLICITED

THE BOOTH COPPER CO.

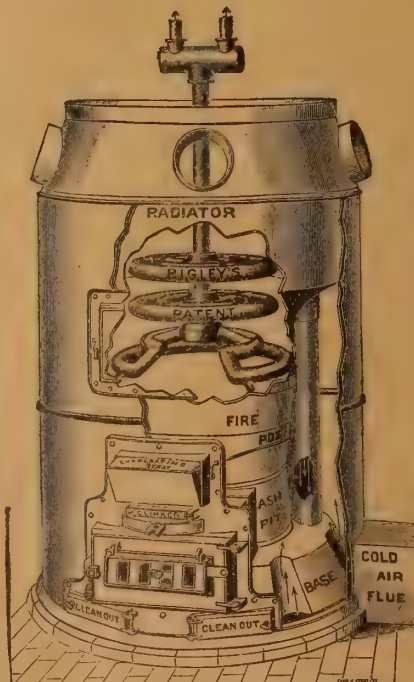
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"BIGLEY'S" PATENT WATER HEATING COILS

Made in

8 Sizes.



The accompanying cut shows how the heater is set in a hot air furnace. This heater does not lessen the heating power of the furnace, but adds over 50 per cent. to it, and makes a saving of 25 per cent. in fuel. This heater is simple in construction, strong and durable, and will fit in almost any kind of furnace or globe stove, and can be built in brick for greenhouse heating. They can be bought for less money than you could make a coil out of pipe.

Send for Catalogue.

Patented and Manufactured by

R. BIGLEY 96 and 98 Queen Street East, **TORONTO**

Established 1825.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinisch's Sons Co. vs. Hermann Boker & Co.:

"The complainant (R. Heinisch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinisch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinisch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorne & Co., St. John, N.B.; H. S. Howland, Sons & Co., Toronto, and others.

COLDBROOK IRON AND STEEL CO.

Limited

Manufacturers of
all kinds of**BAR IRON.**

• • • • •

GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

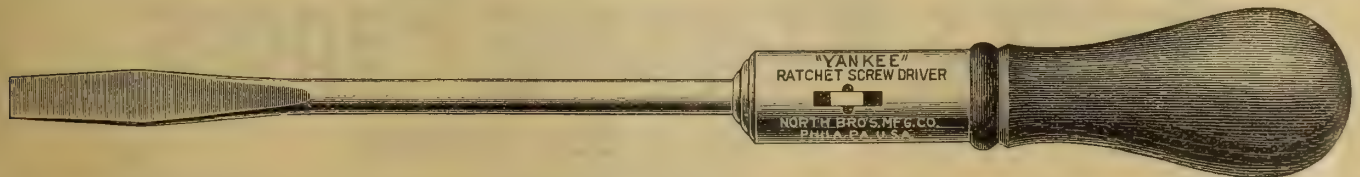
Our Phoenix Red Sheet Packing

is not affected by oils, ammonia, liquors, steam, heat, or alkalis. It conforms to rough surfaces. It makes a perfectly tight joint. It retains its elasticity under any condition.



THE CANADIAN RUBBER CO.
OF MONTREAL
Manufacturers of RUBBER GOODS of all descriptions.
Factories: **MONTREAL**
Branches: **Toronto and Winnipeg.**
CAPITAL, \$1,500,000.

OTHER TOOLS ARE VERY GOOD TOOLS, BUT

"YANKEE" TOOLS ARE BETTER**SPIRAL-RATCHET SCREW DRIVER.****RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.**

Sold in Canada by _____

CAVERHILL, LEARMONT & CO.	-	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	-	"
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RICE LEWIS & SON, Limited	-	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	-	LONDON
HOBBS HARDWARE CO.	-	-	-	"
WOOD, VALLANCE & CO.	-	-	-	HAMILTON

Descriptive Circulars will be mailed on application.

North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.

ESTABLISHED
1778.



CORPORATE
MARK.

JOHN CROSSLAND

MANUFACTURER OF

SHEFFIELD.

Pocket, Table and Butcher Knives.

Spear, Bowie, Daggers, Matchets and Hunting Knives.

These goods have a world-wide reputation for good quality and finish. Any infringers of our corporate mark will be promptly prosecuted.

APPLEBY & CO., - 501 Board of Trade, MONTREAL,

The sole agents for Canada, keep a full range of samples on view.

Standard Steel Toe Calks



WRITE
FOR
DISCOUNTS.



Sizes—No. 0 to 7, 1½ to 3 inches. Price \$1.00 Per Box of 25 lbs.
in Bulk, or 24 lbs. in 4 lb. Packages.

Sizes—No. 0 to 5, 1½ to 2¾ inches. Price \$1.25 Per Box of 25 lbs.
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JAMES PENDER & CO., Limited, - Saint John, N. B., Canada.

The fibre is long
and strong

BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE

Eddy's Wrapping Papers

The E. B. EDDY CO., Limited

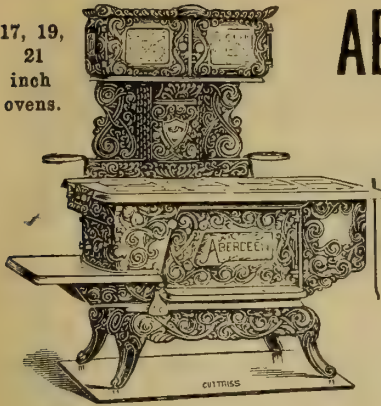
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VICTORIA
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KINGSTON

The paper stands
wear and tear

17, 19,
21
inch
ovens.



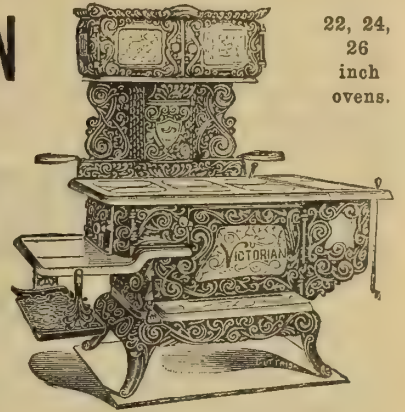
ABERDEEN, for Coal and Wood.

ABERDEEN AND VICTORIAN RANGES

These two modern, beautiful ranges give a complete line of goods for coal and for wood, and were constructed with special reference to the needs of Canadian trade. They have roomy fire boxes, capacious ventilated ovens, large fire doors, spacious hearths.

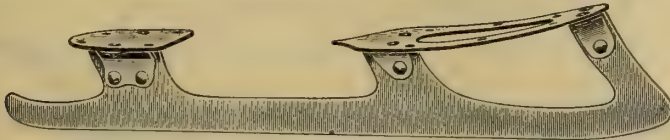
The COPP BROS. CO., Limited
Hamilton, Ont.

22, 24,
26
inch
ovens.



VICTORIAN, for Wood.

The Celebrated "WINSLOW" Hockey Skate.



Our **HOCKEY SKATES** have been adopted by the Hockey Club of St. Nicholas Rink, New York City, and are conceded by experts to be **THE BEST**.
THE BRACKETS will not break. We warrant every pair.

The Samuel Winslow Skate Mfg. Co.

Catalogues sent free on application.

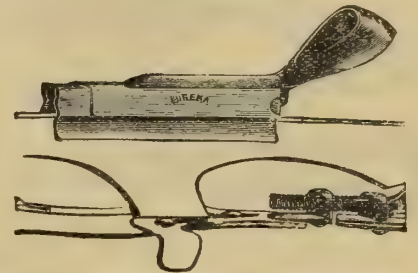
WORCESTER, MASS.

A full assortment adapted to Canadian trade carried by Caverhill,
Learmont & Co., Montreal.

Skate Sharpeners.

BEST IN THE WORLD.

Will outlast any skate but the
"Winslow."



We are prepared to fill orders rapidly
and at best prices for all

METALS

from stock or for importation.

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin

164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

AN ANNOUNCEMENT

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

Enameline

THE MODERN STOVE POLISH

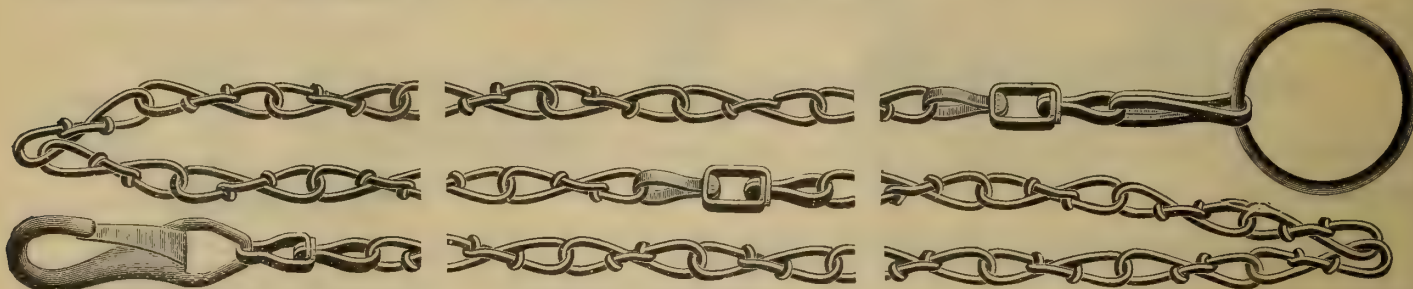
PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

Oneida Steel Wire Tie-Out.

For tethering cattle in fenceless pastures.
Made in all sizes. . .



No Rivets. No Malleable Iron. ALL BESSEMER STEEL.

Made in 20, 30 and 50 ft. lengths.

ONEIDA COMMUNITY, Limited

NIAGARA FALLS, ONT.

John Bowman Hardware
and Coal Co.

180 to 182
York Street

LONDON, ONT.

Headquarters for

SMOKELESS POWDERS

Blue Ribbon Hazard
Schultze Hard Grain
Gold Dust . . .

Also full line
New Guns
Sporting Goods
etc.

Large Stock, Prompt Shipment, Close Prices.

Kemp's Seamless Kitchen Sinks

PAINTED. GALVANIZED. ENAMELED.



THESE SINKS are pressed out of SINGLE SHEETS OF WROUGHT STEEL.

They have no Seams or Joints and are rounded at sides and corners. Consequently, no dirt can collect.

They are less porous than Cast Iron, and, therefore, odorless.

It is IMPOSSIBLE TO BREAK them.

Owing to their comparative lightness FREIGHT CHARGES are less than HALF THE PRICE of the Cast Iron article.

Kemp Manufacturing Company

TORONTO, CANADA.



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JOHN BAYNE MacLEAN, Montreal.
Treasurer,
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Limited.

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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

ANOTHER ADVANCE IN TIN.

THERE appears to be no top to the price of tin, which has again fulfilled the predictions of the bulls by scoring another advance this week. Tuesday last, for instance, in New York, values were 20c. per 100 lb. above where they were a week previous, the correct quotation in that market being \$17.85 per cwt., against \$17.65 eight days ago.

In the same interval, spot tin in London advanced over 16s. per ton, standing now at £80 16s. 3d., against £80 a week ago. This makes a clean advance, since the upward movement began, of £6 2s. 6d. the

ton in London, and \$1.65 per cwt. in New York.

As a result of this continued strength, values are much higher, both in Montreal and Toronto; and, as stocks are quite light, and buyers find it difficult to place orders ahead, they expect still higher prices, unless the position outside eases up somewhat. At present, such a possibility seems distant, for, not only is the movement into consumption quite free at New York, but large sales have been made there for deliveries near the end of the year at figures close to the price paid for the spot article in New York on Monday.

Stocks also, are, according to all accounts, well concentrated at New York, and in London the bulls seem to have secured control of the situation in a speculative sense.

SPELTER RISING.

The strength in spelter, to which reference was made the other week, has been firmly maintained since. In fact, values now are £1 10s. per ton higher than they were in London a month ago, the rise being steadily maintained ever since. In New York, they have advanced, in the same time, 27½c. per cwt.

BUSY MANUFACTURERS.

The year 1898 promises to be a good one for the various descriptions of manufacturers in Canada.

A good many of those engaged in making lines appertaining to hardware declare they have done as much business in nine months as they last year did in twelve months. The one unsatisfactory condition is the smallness of profits.

ENCOURAGE BETTER SERVICE.

THE Quebec Board of Trade makes a very practical recommendation which should receive the support of other boards and of business men generally.

It says that any permanent arrangement for the Atlantic mail service should be based upon the speed of the fastest steamers carrying the mails to New York. In no other way can Canada benefit by its saving of 500 miles by the St. Lawrence route, as compared with New York. It may not be inopportune to point out that three steamers could maintain a weekly service between Quebec and Liverpool, whereas recent negotiations were for four. The saving in the cost, maintenance and operation of one such steamer should be a very important consideration for any company undertaking the weekly mail service.

This is the policy that any business man would pursue, but, strange to say, Governments cannot be made to see it.

It is a fact that when the Dominion line brought the Canada to Montreal they asked the Government for an increased subsidy on account of her increased speed. They were refused, and not even treated with common courtesy. They were told that they would have to run her to Montreal whether they liked or not. They showed they were not compelled to do so, for she was at once put on the Boston route.

The leather belting trade, like a good many other lines in Canada, is in a healthy condition: There is a good business being done, while prices are firm, with an upward tendency.

TRADE ASPIRATIONS THE MOTIVE FOR WAR.

SOUND business ethics apply to nations as well as to individuals. And neglect to obey these result in trouble for the one as well as for the other. An example of this is to be seen in the present condition of the commercial nations.

Imagining no other nation had a right to an existence, and that everything was fair in commercial war, as well as in that kind of warfare in which guns and swords play a part, scheme after scheme has been resorted to, with the result, in many instances, that the last condition has been worse than the first.

In several of the continental countries we see the bonus system gone mad, until not only do foreign competitors writhe under its punishment, but the very natives cry out to be relieved from the burdens which are more than they are able to bear.

In other countries it has been protection gone mad. Protection to industries up to a certain point is undoubtedly a good thing for a country, and especially a young country like Canada. But protection, like any other good thing, can be made to work evil as well as good. If, for example, politicians manipulate the tariff, not in the interests of the country, but in the interests of their respective parties, that moment does it cease to be good and begin to be bad.

All the years the seed-sowing of unsound and selfish business methods have been going on among the nations, the conditions have been getting worse. And not only that, but the chief motive which formerly actuated war is practically obsolete, and a new one is now doing duty.

The old one was territorial expansion; the new one is trade expansion.

The United States, in their recent war with Spain, said they were fighting the Don in the interests of humanity. Perhaps humanity had something to do with it, but it is significant that the commercial press in the United States is now emphasizing the necessity of the conquered territory being retained, not chiefly in order that the area of the country be extended, but that markets may be secured for the rapidly expanding trade of the country.

Great Britain's concern about China is not merely the acquirement there of new

territory by Russia, France and Germany, but that, in the acquirement of new territory, so much more of the world's surface and population shall be reserved as the special preserve of the nations which appropriate it.

It was this "open door" policy of Great Britain which, before the war with Spain, first began to soften the heart of Uncle Sam toward the Mother Land.

The United States has a growing trade with China. Last year, its total exports to China and Hong Kong combined aggregated \$17,984,472. This, while of course not equal to Great Britain's \$35,588,580, was large enough to give the two nations a community of interests. And a community of interests is a greater factor in creating international comity than even the influences of blood and language.

In Egypt, to-day, we see the same influence at work: England wants Egypt for its trade, not for its flag.

It is obvious, in view of the conditions now obtaining, that if the nations had not become so wedded to such unbusinesslike and selfish methods, that the peace of the world would not now be threatened as it is; at any rate from this cause.

But the lesson is not only to nations, but to individual business men who help to make up nations.

IS IT A FAKE?

A man has been calling on the trade in Montreal, soliciting orders for a bottle of ink and a business directory. He explained that his firm, Bards & Co., were large manufacturers of ink. In order to introduce their ink among the leading business men, they were, he said, issuing a classified business directory, in which they would put the names, in large type, of those firms who would give them an order for a bottle of this ink, at \$1. Just what value the directory would be, he was not prepared to say. He produced a sample, showing that Toronto had been worked successfully. From the list of orders he carried, it looked as if Montreal was also likely to be a profitable field.

The editor thought, if the ink was really very good, he would prefer paying for it alone, instead of buying his name in large type in what might prove to be a useless

directory as well, and asked for the exact address of these generous ink manufacturers. The sample directory put them down at Toronto and New York. The street addresses were given by the representative as Forum Hall, Toronto, and 146-148 Park Row, New York. Representatives of this paper called at both places, but at neither was such a firm known.

The loss of a dollar is not much, but business men might make further inquiries before placing an order.

MANITOBA IS ALL RIGHT.

IT is gratifying to learn that the damage by rain to the wheat crop of Manitoba, which had been reaped but not gathered into barns or threshed, was greatly exaggerated.

Any damage to the wheat crop of Manitoba, which was serious, would be a bad thing for Canada, for the wheat crop is of more importance to the "Prairie Province" than the same crop is to any other Province in the Dominion.

Wholesale merchants and manufacturers in Eastern Canada, supplying largely as they do the merchandise consumed in Manitoba, are, of course, vitally interested in the crop conditions in that Province—a small crop meaning a small business.

But, with the crop as large as it is, the largest in the history of the Province, there will still be a great deal of first-class wheat, while, for the grain that is damaged, the improved prices are some compensation at any rate.

Even viewed from the standpoint of wheat alone, there is no need to be alarmed over the condition of affairs in Manitoba, but the generally increased facilities of the Province in dairying, stock-raising and mixed farming as a whole clearly make the trade conditions in that part of the country decidedly healthy.

STOVES AND COOLER WEATHER.

The cooler weather of the last few days has caused a marked increase in what was already an active demand for stoves and furnaces, manufacturers being in receipt of numerous requests for immediate shipment.

The season of 1898 has been a remarkable one in the stove and furnace trade. The demand set in earlier than usual, with the result that some, at least, of the makers were compelled to keep their moulding shops going, even through the usual closing season, and even then were unable to keep up with the orders.

COAL CARS IN DEMAND.

It is customary at this season of the year, when orders for coal are coming in from all parts of Ontario, that the demand for cars exceeds the facilities of the railway companies for transportation; their supply of coal cars is insufficient to cover all the ground and enable the wholesale dealers to keep up with their orders.

This season, however, the scarcity of cars is more seriously felt than usual, and it would be well for outside dealers wanting coal to send in their orders in good time, for it is, and will be for some time, practically impossible to get orders filled at short notice.

As far as price is concerned, there is nothing to lose by early orders as prices are firm, with an upward tendency. An advance may ensue, but there is no definite indication of one at the moment.

AN EXCITED TURPENTINE MARKET.

The past week has been an exciting one in the turpentine market.

It opened with a good export demand at Savannah, with prices strong and relatively higher than in New York. And, on Tuesday, the position of the market was further strengthened by the destruction by fire of the naval store yards in Brooklyn, N.Y. Another bullish factor is the fact that freight room from Savannah is scarce, and that nothing was offering prior to November 10.

As a result of this condition of affairs, prices have been jumping up at all large commercial centres.

In Toronto there were during the week two distinct advances in as many days.

On Monday the price was marked up 4c. per gallon, and on Tuesday a further gain of 1c. was made.

This makes a total advance of 5c. per gallon this week, and, with the rise of 3c. per gallon last week, a total gain of 8c. per gallon inside of six days.

The price is now 55c. per gallon Toronto, Hamilton, and London, and 56c. per gallon at outside western points.

WINDOW GLASS DEARER.

Window glass in Toronto, Hamilton and London has, this week, experienced a further advance in price, ranging all the way from 5 to 20 per cent., according to quality and break.

Under the new conditions, first break in "Star" is quoted at \$1.80 in 50-foot boxes, and at \$3.40 in 100-foot boxes, instead of \$1.70 and \$3.20 respectively, and "double diamond" at \$5.25 instead of \$4.75 as formerly.

The glass market in Belgium is remarkably firm, and it is almost impossible, Canadian importers report, to obtain quotations good for any length of time. In fact, shippers there will not guarantee to fill orders at any price, in consequence of which jobbers cannot be sure what glass will cost them.

Some at least of the jobbers have been backward in placing orders, as a result of which stocks are becoming depleted, and, as noted in a previous issue, certain jobbers, in order to defer purchasing as long as possible, have been cutting up sizes. They are probably now realizing they made a mistake.

Window glass would cost, at to-day's figures, from 60 to 75 per cent. more to import than it did a year ago.

MACHINERY IN THE CUTLERY TRADE.

Referring to what has appeared in these columns with regard to the manufacture of cutlery by machinery, we are informed of another Sheffield house who are engaged in perfecting machinery by which they hope to overcome one of the greatest difficulties which have hitherto presented themselves in this work. This difficulty has been the manipulation of the steel except at such a heat as to greatly reduce the percentage of carbon in the metal. Machinery is now being constructed by which it is expected to be able to produce the "blanks" with the steel at a much lower temperature than can be done by the means at present at disposal, the carbon consequently being returned in a much higher percentage than is at present possible. By the new machinery, it is intended not only to produce blanks of knives and forks, but of scissors, razors, pen and pocket blades. The manufacturers of Sheffield are perfectly cognizant of everything of moment that is being done, both on the Continent and in America, in the using of machinery. They intend to keep in the van, and several well-known houses have said that if the world wants goods that are attractive and cheap, rather than solid and durable, they are quite prepared to supply them.—Hardwareman, Birmingham.

DROPS FROM THE EDITOR'S PEN.

He who spares his energy often loses his business.

Shirk your duty and you let slip your opportunities.

If you mean to get along in business do not be mean.

If you would be a success, grasp the details of your duties.

Keep track of your business if you would prevent its eluding you.

When merchants get at loggerheads they cannot get their heads together.

While you are piling up your debts you are digging your own grave.

Work hard if you do not want a hard time of it getting along in this world.

He who makes good use of his minutes is usually ready to grasp his opportunities.

He who has no interest in his employer's affairs is blindly wrecking his own prospects.

Poor pay or lack of appreciation are not sufficient reasons for any man not doing his best.

Now, that Good Times are here, see that by good business methods, you try and keep them.

If you are not insured, your business as well as your stock may some day go up in smoke.

It is better to sacrifice 25 per cent. on a line of goods than that 100 per cent. should be lost.

Failure to succeed in life is more often due to lack of continuity than to lack of ability.

An employe, even for his own sake, ought to be as willing to start work as he is to stop it.

Adversity takes from us our money, but it gives us more knowledge and widens our experience.

The "to be or not to be" in business depends chiefly upon yourself and not upon other people.

When a man becomes filled to overflowing with his own importance other people have no room for him in their esteem.

A TALK ON POLITICS

THAT SHOULD BE TAKEN TO HEART BY
READERS WHO ARE STRONG
PARTIZANS.

"THE word 'politics' surprises by himself," wrote Count Smorltork, and, whether he meant it or not, the remark was a most valuable and true one, for politics are nothing less than a constant series of surprise parties. The derivation of the word is popularly supposed to be polis, a state, and politics to mean matters pertaining to the state, but this is an entire error: The real derivation is "polloi," "many" and "tics," a parasite which affects sheep and other animals, many ticks, and the idea was suggested by the way in which those devoted to politics as a pursuit, get into the wool of the taxpayer and fleece him. Politics is the one blessed thing on this changing scene in which there is always money; it has various aspects, and appears under various forms; patriotism, public spirit, enterprise, etc., but you can always tell it by that characteristic. If there is no money in it, it's not politics. As a late, lamented friend of mine, who was first a Conservative, then a Liberal, then Premier of the Province and a Nationalist, and finally became a patriot, once remarked, *je n'aime que la politique qui paie*. That is the only kind of politics which is real; any other is hollow sham. If you don't believe me, ask the first contractor you come across.

It is necessary that this great principle should be first laid down in order to understand why opposing parties call each other such uncomplimentary names as rogue, thief, liar, etc., while insisting, at the same time, on their own purity and honesty, without eliciting the faintest sign of feeling from the person so attacked. When once you admit that true and good politics consists in the extraction of money for your own, and incidentally, your friends' benefit, from the public purse, it is easy to perceive how nothing will make those in power believe they are doing anything but what is right, and that their opponents are false to the very nature of the thing they profess to be; and how those opponents, feeling themselves as capable of the employing of the public purse for their own benefit, should conceive that they are deterred from doing so by illegal means. But they are "all honorable men," and to bribe, or get fat contracts, or any other corrupt mode of proceeding, does not detract from their honor, for the more money a man makes out of politics the more thoroughly is he doing his duty to himself; that is, to his country, or that section of it which is represented by him.

There are two classes of politicians:

Those who sit still and make all the money, and those who go about the country and make all the speeches. The former are called the supporters, and the latter are termed the leaders of the party. The supporters are so named because they maintain the other fellows, pay for the bouquets that are presented them, and the dinners that are tendered them; also for election expenses, such as surreptitious whiskey, valuable old horses, and rubber rings for interesting babies, etc. The leaders get their name from heading the pack, and running the game, i.e., the public purse, down, when the rest of the hounds (I don't mean anything personal) come up and devour it. There is also a small subsection of the supporters, called the organizers. These act as the huntsmen; they mark out the country over which the run is to be made, whip the pack into line, and keep the leaders from devouring the quarry when it is run down. They get the antlers and haunches; the pack gets the body, and the leaders the leavings. "Only poor pickings," you will say. Perfectly correct; and that is why a Cabinet Minister, generally speaking, has very little to leave behind him when he dies. There remains one more element in "the party"; the little terriers and mongrels that run about fussily, and do all the yelping. These are called "the rank and file." They are not much good, except for show, and get mighty few crumbs; a couple of dollars for a vote, when it is doubtful, is a fair market price.

All these together constitute "the party"; but it is only the men that make the money, the contractors, the promoters of railroads and canals and shipping lines, the combines, that are really the politicians. It is true that the others get a little; a very little; but that does not entitle them to be classed as politicians, any more than the employes can be looked upon as the members of a firm because they get paid their wages out of the profits. Now, it is from want of a proper appreciation of this fact that the outside public falls into a grievous error, and when it finds its pockets rapidly being depleted, or stumbles suddenly on some good fat job, blames the unfortunate Government for it. It is not the fault of the Government at all, but of the men who cry. "Simon says, 'Wiggle-Waggle'" to it, and who proceed to turn it out, or attempt to do so, if it does not Wiggle-Waggle as per order. Ezekiel Snooks votes for the ministerial candidate; he is supporting the Government only incidentally; in reality he is voting for a railway company, a graving-dock contractor, a cotton or sugar combine; and when he casts his ballot for an opposition candidate, he is supporting men who either

belong to one of these classes, or want to belong to them. It all comes to the same thing in the end, my son. "Here" said the showman describing his panorama of the Battle of Waterloo; "here you sees Bonyparty on his white horse cheering on the last charge; and there you sees the Dook of Vellinton, on his white horse, a shouting 'Up Guards, and at 'em'." "Vich is Bonyparty, and vich is the Dook of Vellinton?" squeaked a small voice in the audience. "Vichever you likes, my little dear; you pays your money, and you takes your choice." That's what the elector does. The one material thing is the paying of the money; the choice is quite immaterial. It does not much matter, so far as the expenditure of the public money is concerned, whether the Government is Conservative or Liberal; the same class of men is behind it, and manipulates the purse strings. Does that seem a sweeping assertion? I recollect, and I dare say others are yet alive to recollect also, how a great railway corporation turned round on a Government and ejected it from power, because it was on the point of establishing another great railway company, whose rivalry was feared. There was a great deal of fuss about the "scandal," as it was then called, at the time, and it was made to do duty for years after; but the simple matter was that one set of "supporters" offered more pecuniary support to have a charter granted than the other set either would or could give to have it refused, and the latter turned over its support to the enemy. The public interest had nothing to do with the affair; in fact, the public got the worst of it, as it generally does in these disputes, for it wasted five precious years in the contemplation of a line to consist of alternate stretches of land and waterways; as if anybody in his senses could expect a line to pay that involved half a dozen transshipments, more or less, and a lot of steel rails dumped down to rust by the honest and capable Government that succeeded the corrupt one which was turned out. If you look upon those wasted years as you would a sum of money, according to the old adage, "Time is money," and calculate the interest on them up to the present date, how much do you think the advancement of the country was delayed? And whose fault was it?

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

CHEERFULNESS AND LONGEVITY.

"It is not the cares of to-day," says George Macdonald, "but the cares of to-morrow that weigh a man down. For the needs of to-day we have corresponding strength given."

"How much have cost us the evils that never happened!" exclaims Jefferson.

"Do not anticipate trouble," says Franklin, "or worry about what may never happen. Keep in the sunlight."

Charles Lamb tells of a chronic grumbler who always complained at whist because he had so few trumps. By some artifice his companions managed to deal him the whole thirteen, hoping to extort some expression of satisfaction, but he only looked more wretched than ever as he examined his hand. "Well, Tom," said Lamb, "haven't you trumps enough this time?" "Yes," grunted Tom; "but I've no other cards."

The Puritans went through life tormented with the fear of sin and terror of the Judgment Day, and their melancholy taints their descendants. We are a nation of dyspeptics. We can earn our bread, but cannot digest it. We believe "there is not a string tuned to mirth but has its chord of melancholy," that evil always stands behind good, and that the devil always has the whisk of his tail in everything. It seems impossible for some people to rid themselves of an inherent gloom which colors their whole life. They cannot enjoy a beautiful day. To them it is only one of those infernal "weather-breeders." Their lives are set to a minor key, and they hear only plaintive sounds. Our religious creeds, philosophy, and hymns are tinged with the spleen of jaundice of unfortunate authors who sometimes mistook bile for inspiration.

Many writers have honestly believed they were giving the world valuable religious doctrines when in reality they were writing an account of their own jaundice and dyspepsia.

Calvin, though unquestionably honest, was a dyspeptic, and could eat but once a day. Who can say that his writings were not tinged by his malady? How can men shut out from the pure air and sunlight in convents and studies, away from the great throbbing, pulsing heart of Nature and humanity, write healthy, vigorous, religious doctrines for a hardy, healthy, robust, and practical world?

We should fight against every influence which tends to depress the mind, as we would against a temptation to crime. A depressed mind prevents the free action of the diaphragm and the expansion of the chest. It stops the secretions of the body, interferes with the circulation of the blood in the brain, and deranges the entire func-

tions of the body. Scrofula and consumption often follow protracted depression of mind. That "fatal murmur" which is heard in the upper lobes of the lungs in the first stages of consumption, often follows depressed spirits after some great misfortune or sorrow. Victims of suicide are almost always in a depressed state from exhausted vitality, loss of nervous energy, dyspepsia, worry, anxiety, trouble, or grief.

Christ the Great Teacher did not shut Himself up with monks, away from temptation of the great world outside. He taught no long-faced, gloomy theology. He taught the gospel of gladness and good cheer. His doctrines are touched with the sunlight, and flavored with the flowers of the fields. The birds of the air, the beasts of field, and happy, romping children are in them. True piety is cheerful as the day.

Joy is the mainspring in the whole
Of endless Nature's calm rotation.
Joy moves the dazzling wheels that roll
In the great timepiece of Creation.—Schiller.
—Pushing to the Front.

BLACKENING BRASS.

The following method is reported by a contemporary to work admirably for blackening brass, and is easy of application: Dissolve copper filings or copper foil in strong nitric acid nearly to saturation, but

THIRTY YEARS !! IS A LONG TIME !!!

for any line of goods to hold the market and increase in public favor year after year. Without merit no line of goods could do it.

THE SHERWIN-WILLIAMS PAINTS have done it.

Our increase of business in 1898 and prospects for 1899 compels us to double our capacity.

It's true our goods are higher in price, and it's true they are the highest in quality. What is wanted in paint is durability and beauty: neither is possible without quality. Quality in anything cannot be bought for less than its market value.

Are you satisfied with your paint business? If not, come with us, we will help you to reach the TOP. We have done it for thousands and can do it for you.

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers

Walter H. Cottingham,
Managing Director,
Canadian Department.

CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON

leaving a slight excess of acid to attack the metal to be blackened. Heat the metal in a smokeless flame (Bunsen burner, spirit lamp, etc.) and brush-on the copper nitrate solution just prepared, exactly as in lacquering.

MARKET FOR STAMPED STEEL.

There is an opening for stamped steel ceiling in England, according to United States Consul Halstead at Birmingham. He says: "It is my belief that a sale could be developed here for American ornamental stamped steel ceilings and kindred stampings, now used so generally in the United States as a substitute for plaster for ceilings and walls. If some American manufacturer of these steel stampings will send me catalogues and approximate prices, I will place them in the hands of an enterprising English architect, who has agreed to seek an opportunity for experimental use. Recently, he was putting in a fine glass front and generally refitting and modernizing a store in an old rat-trap of a building, and I suggested to him the advantage there would have been in using stamped steel work for the walls and ceilings. I have no doubt but that these steel stampings would meet with the approval of both insurance and fire authorities here."

TRADE CHAT.

THE by-law submitted to the people of Peterboro' endorsing a loan of \$30,000 to The Wm. Hamilton Co., Limited, foundrymen, for a term of years, was carried by 491 to 42.

A board of trade has been organized at Golden, B.C.

Wm. Halliday is commencing business as blacksmith in Ventnor, Ont.

Woodside & Sharrier have commenced business as blacksmiths in Port Arthur, Ont.

John McAfee, tinsmith, Woodstock, N.B., has had his store repainted and brightened up generally.

F. H. Burnett is trying to organize a company in western Ontario to manufacture an improved shear.

C. J. Miller is enlarging his tannery at Orillia, Ont., so as to increase his capacity from 250 to 400 sides per week.

Fire did damage to the extent of \$26,000 to Gaspard Rochette's tannery in Quebec, on Saturday evening last.

A by-law, granting a bonus of \$20,000 to Richard Sylvester, implement maker, has been carried by the voters of Lindsay, Ont.

The Bain Wagon Works, Brantford, Ont., are considering the advisability of adding \$10,000 worth of improvements to their business.

R. J. W. Fischer, has sold out his hardware business in Elmwood, Ont., to Geo. Bohlander, of Hanover. Mr. Fischer has been in business in Elmwood for nearly 20 years.

The Paris Transcript states that the Penman Manufacturing Co. intend increasing their works at Paris, Ont., to employ 150 hands, and that they will remove their works at St. Catharines, Ont., to Paris.

The J. B. Armstrong Manufacturing Co., manufacturers of carriage tops, Guelph, Ont., have let the contract for additions and alterations to their premises, which will give them 7,000 feet additional floor space.

While Louis Fortier, an employe of W. Doyle, hardware merchant, Quebec, was weighing some powder under a gas jet, the powder suddenly exploded, severely burning Fortier and doing several hundred dollars' worth of damage to the store.

Hobbs' hardware store, Tilsonburg, was robbed Monday night. Entrance was effected by prying open the front door. The thieves took \$25 worth of revolvers, all the razors in stock, a lot of jackknives, and other stuff.

The coal oil refinery belonging to the estate of C. J. Williams, Hamilton, which has been lying idle since Mr. Williams'

death, has been sold to the Cornplanter Refining Co., Warren, Pa., who will use it as a barreling station.

The Oshawa, Ont., Stove Co. have resumed possession of the works and plant of The Toronto Lock Co., and will at once commence the manufacture of stoves, furnaces, builders' and general castings, besides the well-known patent eye sash weights. The company will be under the direct management of John Bailes.

The Guelph Linseed Oil Co. are working up a splendid trade. Almost every day, for some time past, they have shipped a car of oil and oilcake over the C.P.R. Last week, a car of oilcake was shipped by the firm to Quebec.—Guelph Herald.

John Levey, Lindsay, Ont., has taken out patents in Ottawa and Washington for a new bicycle rim and tire. It comprises a steel rim fitted with a tire which cannot be punctured, yet, it is claimed, combines all the good qualities of the pneumatic tire. Mr. Levey has also invented an automatic damper for furnaces and a cheese rack which have proven a success.

William Gordon Nott, merchant; John Taylor Ham and Joseph Henry Ham, manufacturers; Marguerite Ann Nott, married woman, and Carl Wilhem Hoffmann, machinist, all of Brantford, have been incorporated under the style of The W. G. Nott Bicycle Co., Limited, with a capital of

\$20,000, to manufacture bicycles, tricycles, electric carriages and children's steel-wheeled vehicles.

CANADIAN IRON ORE.

How to supply our furnaces with ore is likely to become a more and more important question. Already the pinch is being felt in the Barrow district, and the recent war between the United States and Spain has done a great deal to bring home to consumers the imperative necessity that will shortly exist for going farther afield for their supplies. The immense deposits in Sweden have this year attracted the attention of the Iron and Steel Institute, and the interest which they have aroused cannot fail to be of practical value in years to come. Next to nothing, however, has been heard of Canadian ores. The Toronto Globe reports the existence in the Dominion of deposits of the greatest promise, which, according to reports of the explorers of the Geological Survey, are almost inexhaustible. Many of them assay as Bessemer ores, and it is considered possible that in a partly-manufactured state a market will be found for them over here. If these ores can only be brought to our shores at a price to compete with those now imported from Spain there is no reason, other things being equal, why a trade should not commence at once. It only needs someone with sufficient enterprise to make a start. — Ironmonger, London.

GILBERTSON'S

"COMET"

BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . .

22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

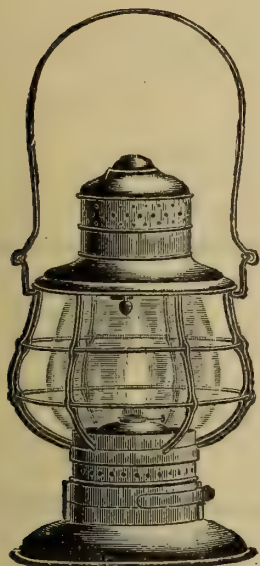
WHOLESALE
MERCHANTS

37-39 Front Street West

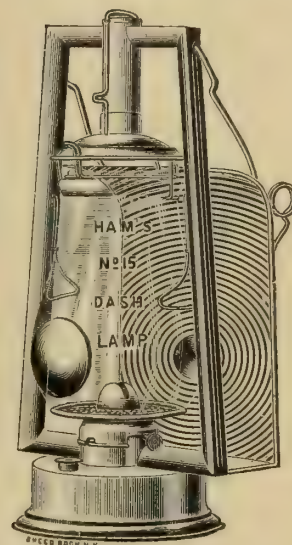
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LANTERNS

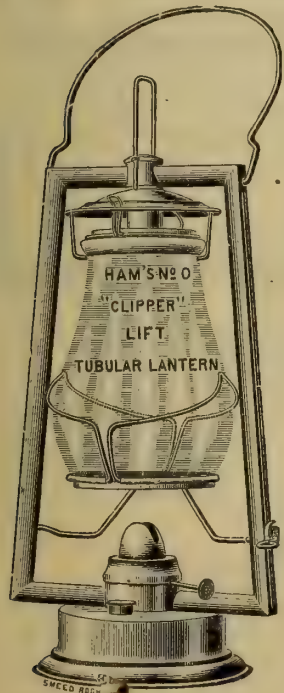
The Best Burning and Finest Finished Tubular
Goods on the market.



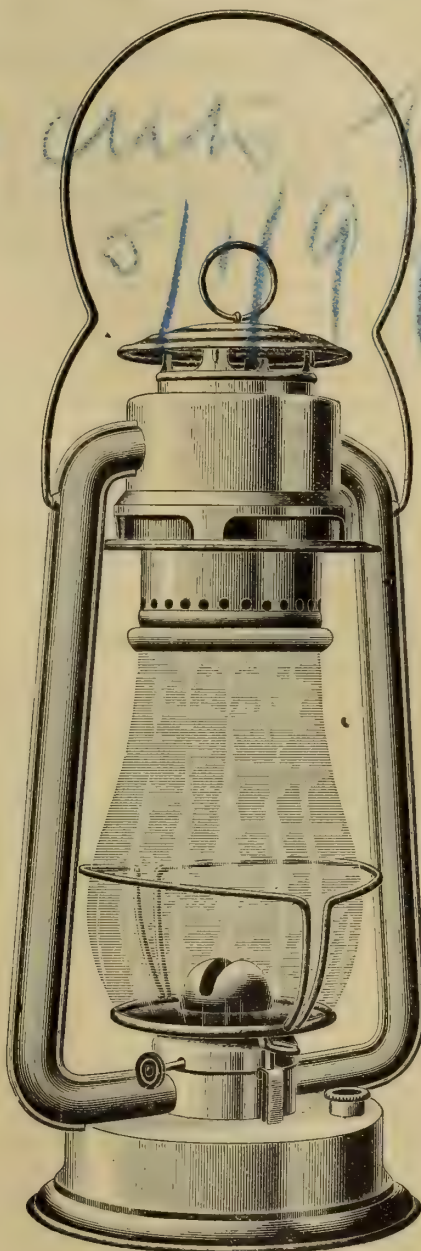
RAILROAD
No. 39, $\frac{5}{8}$ and 1-in. wick



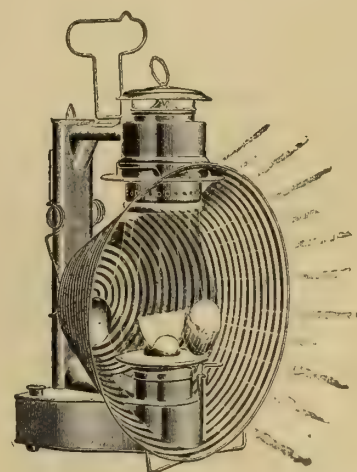
DASH LANTERN
No. 15, Plain Globes



HAM'S
No. 0, Clipper



COLD BLAST
Ham No 1, $\frac{5}{8}$ -in. wick
" No. 2, 1-in. "
Wright No. 2, 1-in. "
" No. 2, 1-in. " Brass Bottom



SEARCH LIGHT
No. 20, Japanned

H. S. Howland, Sons & Co., Toronto

LETTER ORDER SHIPPED PROMPTLY.

Graham Wire and Cut Nails are the Best.

OUR PRICES ARE RIGHT.

TIMELY ADVICE TO RETAILERS.

THE retailer is the one who should, above all others, buy on short time and carry the smallest stock necessary to the business that he does, says Stoves and Hardware Reporter. He should open up, at the proper season, fresh lines of each class of goods that he carries, and these new goods should be bright and seasonable. Too often tempted, however, by dating ahead, he makes his purchases out of season, and thereby cumbers his shelves with goods that, long before the time for consumption arrives, have become shopworn, undesirable, and, in the eyes of employes and customers, old or past style. All these disadvantages follow upon the plan of dating ahead. In addition, the retailer under the offer is very generally tempted to overbuy in his early purchases, because the time of payment seems so far ahead. Look back at the history of the past five years, which has been so disastrous to many business interests. Let us enquire who are the men who have succeeded during the period? They are those who have done business within the just limits of their capital and credit, whether large or small, who have bought frequently, who have managed to have seasonable and attractive merchandise to offer to their trade at the proper time, and who have not been burdened with old and undesirable stock.

A NEW BUGGY SPRING.

Mr. Colin Kennedy, foreman of the Axe Factory, has recently patented a buggy spring that is likely to revolutionize the style of spring used on all vehicles before very long. Like every other valuable and useful article, one wonders why it was not invented before, so simple and yet so like perfection does it seem. It is an elliptic spring and needs no bolt at the ends, as all other springs do, but by forming a roller bearing in the end, makes a stronger head and does away with all possible rattling. Lugs of iron go around it, preventing any possibility of dirt or dust getting into the bearing. Mr. Kennedy has applied for a patent in Canada and the United States. The James Warnock Co. have already sent out a few samples and these have given such entire satisfaction that the future of the spring looks exceedingly bright.—Reporter, Galt.

STEAMSHIPS FOR HALIFAX.

The Furness Line people, at least, are looking to the interests of Halifax in shipping circles. The officials of the company here have just received personal advice from Sir Christopher Furness to hustle trade here, with a view to adding larger and more modern ships. If the trade can be brought

to Halifax, the company promise to put on a line of up to-date 6,000 ton steamers. Recently, they made many additions to their already large fleet of vessels, and have opened up several new trade routes. Sir Christopher Furness, the president of the company, is devoting much time to making better connections with America and The Syren and Shipping of a recent date, speaks in the highest terms of his push and enterprise at West Hartlepool.—Herald, Halifax.

INTERCHANGEABLE SIGNS.

Interchangeable signs, on which a different design or lettering is visible according to the points of view, appear to be becoming more popular as effective advertising devices. The following is the modus operandi of producing them, according to an exchange: An ordinary signboard is prepared by the joiner, framed in a good, bold moulding. Across the top and bottom rails of this frame a succession of narrow vertical saw kerfs are cut at an inch apart, and long enough to receive the ends of a series of inch strips of tin, zinc or other sheet metal. Having procured these and fitted them into the kerfs, they are taken out and the board and both sides of the metal strips painted with the ground color. The board is next lettered. Then the strips are laid down edge to edge and side by side on the shop board and a different lettering (or design) painted across them. When dry, they are returned over and yet another inscription painted on the other side. The strips are then slid into the grooves in the frames and a triplicate sign results, which reads differently from three positions—in front, and from the right and left. We have seen a portrait or head of a very ingenious and effective character thus produced.

A HEARTY SEND-OFF.

Mr. J. D. McDonald, who has been with Stewart & Wood for the past eight years, has accepted a position in the warehouse of Messrs. Ashdown & Co., Winnipeg. On Thursday evening, his fellow-employees waited upon him, at his home, and presented him with a traveling bag and an address, expressive of their regret at his departure and wishes for his success in his new sphere. The presentation was made by Mr. E. T. Dean, and speeches by the heads of the several departments were made, expressing their interest in the future welfare of Mr. McDonald, who replied in feeling terms, thanking his old friends for their kindly remembrances and good wishes. Then the company formed itself into an old-time surprise party, indulging in card playing, etc., dispersing, however, at a good respectable hour.

It is needless to say Mr. McDonald carries with him, to his new home, the best wishes of his numerous friends.

MICA

We have some bargains to offer in this line.

Samples and prices on application.

EMERSON & FISHER

ST. JOHN, N. B.

(46)

Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring. "The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety, Toilet, Hand, Electric Power ARE THE BEST. Highest Quality Grooming and Sheep-Shearing Machines. WE MAKE THEM. SEND FOR CATALOGUE TO American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.

Coates Clipper Mfg. Co. WORCESTER, MASS

AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods
Can ship promptly and supply the very best

We make a specialty of.....

"Hand Shaved"

Octagon

Axe Handles

Made by Indians

being the largest dealers in Canada in this line. Can give exceptional value. Have 5,000 dozen of these handles on hand, ready for polishing. Write for prices.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.

THE . . . DOMINION RADIATOR COMPANY

LIMITED

Dealers
in the most complete line of

Steamfitters' Specialties

HEAD OFFICE and WORKS:

340 to 376 Dufferin Street

TORONTO, ONT.

Steam Traps, Separators
Wrought Iron Pipe
Cast and Malleable Fittings
Also Galvanized Pipe and Fittings
Brass and Iron Body Valves, etc.

NEW YORK MARKETS.

PIG TIN—The market was very firm at the advance established on Monday and moderately active. Nothing developed in the way of new speculative interest here, but London traders, according to cable advices, are still operating on a fairly large scale and shaping the course of values to a great extent. Apart from the natural influence of this movement, the New York market derives no little strength in tone from close concentration of spot stock and light importations the past three or four days. The movement of the metal into consumption continues liberal, and in not a few instances purchases have been made involving deliveries up to the end of the year at prices very close to those obtained for spot stock. Five-ton lots were quoted to-day at 17.80 to 17.85c., ex ship or in store, and 17.85 to 17.90c. free on board. Smaller quantities brought 5 to 10c. more.

COPPER—On the part of sellers there was no claim of unusual business or more than ordinary brisk demand, but the fact was plain that exporters and home consumers are between them taking up enough metal to keep the market in good position and fully offset the endeavors of London "bears" to depress values. Lake Superior ingot sells at 12½c. easily, commands 12¼c. for delivery up to the end of December, and is

offered very sparingly for January and later position. Electrolytic bars, etc., are quite as strong at 12¼c. upward, and casting stock is held at 11¾ to 12¼c., according to brand.

PIG LEAD—Selling pressure was less severe than on Monday, apparently because of the fact that the break in prices on that day failed to awaken buying interest or otherwise facilitate operations. The market, nevertheless, was weak in tone, with 3.67½c. a common selling price for ordinary domestic and 3.65c. said to have been accepted in remote instances for carload lots for early delivery.

SPELTER—Offerings from the west continue light, and consumers' wants, while not remarkably large, run closely enough to current production to keep supplies at a low point. Prices are, therefore, held firmly at about 5.10 to 5.15c. for western delivered here. London cable quoted £23 10s. for good merchant brands.

ANTIMONY—There is about the usual distribution of regulus, and prices remain at 9 to 9¾c. according to brand and quality.

TINPLATE—There is a very fair run of small orders, but the market otherwise remains in a rather sluggish condition. Most large consumers have covered their wants for the balance of this year, and some further ahead, but offerings are still free by

American manufacturers, and prices rather weak.

IRON AND STEEL—The market for pig iron remains steady, with fair business, chiefly in No. 2 foundry for early delivery, and prices remain steady. Old material is quiet and unchanged. Nothing distinctly new transpired in manufactured products.—N.Y. Journal of Commerce, Oct. 27.

BARGAINS IN MICA.

Emerson & Fisher, St. John, N.B., are offering some bargains in mica in this issue of **HARDWARE AND METAL**. Samples and prices may be had upon application.

ADAM HOPE & CO.

30 John Street, - Hamilton

IMPORTERS OF

METALS

PIG TIN

INGOT COPPER

PIG LEAD

SPELTER

ANTIMONY

WRITE FOR PRICES.

MANITOBA MARKETS.

WINNIPEG, Oct. 25, 1898.

BUSINESS in all lines of wholesale hardware is unprecedentedly quiet, owing, without doubt, to the continued wet weather, which has very seriously retarded all building operations. Now, the weather has cleared, every effort will be put forward to complete buildings before hard frost sets in.

There have been no changes in price since my last report, with the exception of glass, which is very firm, in good demand and quoted at \$1.90 base. Linseed oil is also firm with a tendency to advance. In contrast to a quiet time in the wholesales, retail hardware men report business very good indeed, but chiefly along the line of stoves, furnaces and furnace-fittings.

Loaded shells are still in brisk demand. The season has been a very bad one for prairie chickens but exceptionally good for ducks and geese. One Brandon man went out for a two-days' shoot and brought back 90 geese; average weight was 8 lb. They made quite an imposing pile on the express van that brought them from the depot. In some districts the flocks of geese are seen quietly feeding among the cattle on the prairie near the small lakes.

Prices are as follows :

Barb wire, 100 lb.	\$2 40
Plain twist wire and staples.	3 00
Oiled annealed wire.	10 2 80
"	11 2 90
"	12 3 00
"	13 3 15
"	14 3 30
"	15 3 65
Wire nails, 30 to 60 dy, keg.	2 35
" 16 and 20	2 40
" 10	2 45
" 8	2 50
" 6	2 65
" 4	2 75
" 3	3 00
Cut nails, 50 and 60 dy.	2 15
" 20 to 40	2 20
" 10 to 16	2 25
" 8	2 30
" 6	2 35
" 4	2 60
" 3	2 85
" 3 fine	3 15
Horse nails, 45 per cent. discount.	
Horse shoes, iron, light, medium and heavy, keg.	3 90
Snow shoes.	4 15
Steel, light.	4 15
" extra light.	5 75
Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	
Tool steel, Black Diamond, 100 lbs.	8 00
Jessop	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge.	3 75
28 gauge.	4 00
Galvanized American, 16 to 24 gauge.	4 00
26 gauge.	4 25
28 gauge.	4 50
Genuine Russian, lb.	12
Imitation	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge.	7 50
28 gauge.	8 50
Tin plate, IC charcoal, 20 x 28, box	8 50
IX	10 50
IXX	12 50
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lbs.	6 50
Broken lots.	7 00
Pig lead, 100 lbs.	4 25

Wrought pipe, black, ¾ inch.	2 50
" ¾ inch.	2 75
" 1 inch.	3 00
" 1 ¼ inch.	4 00
" 1 ½ inch.	5 00
" 2 inch.	7 00
" Over 2 inch.	8 50
Rope, sisal, 7-16 and larger.	11 50
" ¾	65 p.c.
" ¾ and 5-16	12 00
Manilla, 7-16 and larger	12 50
" ¾	13 00
" ¾ and 5-16	13 50
Cotton, all sizes, lb.	14 00
Axes, per box	14 50
Screws, flat head, iron	16
Round "	\$5.50 to 8 00
Flat " brass.	85 p.c.
Round "	77½ p.c.
Bolts, carriage	80 p.c.
Machine.	72 p.c.
Tire.	60 p.c.
Sleigh shoe.	60 p.c.
Rivets, iron.	55 p.c.
Copper, No. 8, lb.	65 p.c.
Spades and shovels.	50 p.c.
Harvest tools.	28c.
Axe handles, turned, s. g. hickory, doz.	40 p.c.
No. 1.	60 to 60-
No. 2.	10 p.c.
Octagon extra.	\$2 50
No. 1.	1 50
Linseed oil, raw, per gal.	1 25
" boiled	1 65
Ammunition, cartridges, Dominion R.F.	1 25
Dominion, C.F., pistol.	1 65
" military.	1 25
American R.F.	55
C.F. pistol.	58
C.F. military.	50 p.c.
Loaded shells, Robin Hood, M.	25 p.c.
Eley's 12 gauge, M.	15 p.c.
American, M.	35 p.c.
Shot, Ordinary, per 100 lbs.	5 p.c.
Chilled.	Net
Powder, F.F., keg.	\$20 00
F.F.G.	16 00
Robin Hood	16 20
Tinware, pressed.	6 25
Granite ware, according to quality.	6 75
	4 75
	5 00
	10 00
	70 and 30 p.c.
	50 to 60 p.c.

NEW INVENTIONS.

Below will be found a list of new patents recently granted by the Canadian Government, the patents being secured through Marion & Marion, solicitors of patents, New York Life building, Montreal, and reported by them for the benefit of our readers : Nos. 61371, F. Ponton, Joliette, Que., and P. Grenier, St. Jean Baptiste de Rouville, Que., drain-ditching plow ; 61383, Frank Swales, London Eng., curb hook ; 61401, George D. Bryar, St. John, N.B., door securer ; 61413, Edmond Parent, Terrebonne, Que., shoes ; 61421, Alcide Poirer, St. Francis, Que., shoes ; 61426, George M. Donaldson, Kentville, N.S., adjustable garment patterns.

NEW POWDER WORKS.

The new dynamite and powder factories for The Ottawa Powder Co., on the Cypress road near Ottawa, are about completed. There are seven frame buildings, including magazine, nitro-glycerine house, soda house, pulp house, packing house, root house and engine house. All the buildings are erected in separate gullies, with good distances between them, so that in case of fire or explosion in one building none of the others would be in danger.

The Canada Paint Co's "AMBERITE" VARNISHES

ARE THE HIGHEST GRADE
MADE.

Every package bears the Company's
Guarantee

RAILWAY VARNISHES.

1 GALL CANS FREE.	IMP. GALL.
"Amberite" Car Finishing.	\$7 00
" Locomotive Finishing.	6 00
" Hard Rubbing.	6 00
" Inside Finishing.	4 00

CARRIAGE VARNISHES.

"Amberite" Wearing Body.	7 00
" One Coat Coach Body.	6 00
" Medium Finishing.	6 00
" Elastic Gearing.	6 00
" Medium Gearing.	4 50
" Pale Hard Rubbing.	6 00
" Medium Rubbing.	4 50
" Black Rubbing.	5 00
" Elastic Carriage.	5 00
" Medium Carriage.	4 00
" Carriage Body Primer.	3 50
" Japan Coach Gold Size.	3 50

PIANO AND ORGAN VARNISHES.

IN BULK.	
"Amberite" Piano Finishing.	6 70
" Piano Polishing.	6 20
" Piano Flowing.	5 20
" Piano Rubbing.	4 70
" Organ Rubbing.	2 70

DECORATORS' VARNISHES.

IN CANS AS ABOVE.	
"Amberite" Interior Finish.	4 00
" Exterior Finish.	6 00
" Pale Church Oak.	3 00
" Crystal Damar.	3 20
" Mastic.	8 00
" Transparent Shellac (for White Wood).	6 00

MISCELLANEOUS VARNISHES.

"Amberite" Spar.	5 00
" Boat.	4 00
" Enamels, White and Tints.	6 00
" Single Coat Surfacer.	3 00
" Lacquers for Brass and Silver.	4 00
" Bronzing Liquid.	3 00

DISCOUNT TO THE TRADE.

SOLE MANUFACTURERS.

THE CANADA PAINT CO.
Limited
MONTREAL.

Branches at TORONTO and VICTORIA.



LETTER ORDERS filled
quickly and accurately.



EMERY

Cloth and Paper.
Glass and Flint Paper.

"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d.
and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality
for general and
special purposes.

EMERY GRINDING MACHINERY.



Write for Latest Catalogues and Samples to

THE LONDON EMERY WORKS CO.,

10-12 Vine Street
Clerkenwell,

LONDON, E.C.



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed
Nuts, Square and Hexagon

For Sale. In the up-town residential part of Montreal, a well stocked Hardware Store, doing a good retail coal oil trade, and a good plumbing jobbing business in connection. Well established. A splendid chance for a live man with a little capital. Address, MacLean Publishing Co., Montreal. (46)

THE

New White Metal Polish

"Nanon"

The Queen of Polishes.

Imparts instantaneously a dazzling and lasting

BRILLIANCY

to Brass, Tin, Nickel, Zinc, Gold, Silver, etc. Free from grit or emery, and will not scratch the finest surface.

Samples on Application.

LAMPLOUGH & McNAUGHTON

Montreal

Sole Agents for Canada.

McLaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers.
Montreal
Price Lists on application

J. B. COGHLIN

Hardware, Iron and Steel Merchant, Railway and
Contractors' Supplies.

MANUFACTURER OF

CARRIAGE, WAGON SPRINGS and AXLES.
RAILWAY SPRINGS and SPIRAL SPRINGS
of every description.

A large stock always on hand.

Office and Warehouse, 432, 434 and 436 St. Paul St.,
MONTREAL.

Works, Montreal Spring and Axle Works,
HOCHÉLAGA. (44)



ACETYLENE COMING
GAS THE LIGHT

The

Cliff-Wardlaw Generator

is the only absolutely Automatic Gas Machine in the market.
It is safe, clean, economical, easy to operate, never heats nor
allows the burners to clog. Manufactured only by

THE SAFETY LIGHT & HEAT CO.

Write for one of
their booklets.

— Dundas, Ont.

The Achieved Skeleton

The Starr
Mfg. Co., Limited

Sole Makers

Dartmouth, N.S.
Canada.



With PATENTED BLADE. Unequalled for Rink and Figure Skating.

T. L. Paton
Agent

30 ST. FRANÇOIS
XAVIER ST.

Montreal.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Oct. 28, 1898.
HARDWARE.

THE week has been a satisfactory one, on the whole, in general hardware circles, for the volume of trade has been considerable in the aggregate. Values, generally, hold steady, both in shelf and heavy hardware, and also in metals, with few exceptions. Among the brisker lines were nails, cut nails, horse nails, horse-shoes, screws, bolts, etc., all such small goods exhibiting considerable activity. Other departments, while less active, contributed a fair lot of trade.

BARB WIRE—Trading in barb wire continues very light, and values are unchanged on the basis of \$2 per 100 lb. f.o.b. Montreal.

PLAIN WIRE—There has been a good enquiry for hay-baling wire, largely for No. 13 at \$1.80, and No. 15 at \$1.85. Plain wire rules quiet and discounts are unchanged: 40 per cent. on oiled and annealed and galvanized 35 per cent.

WIRE NAILS—There is an active enquiry for wire nails, but values still rule unsettled,

ranging from \$1.70 to \$1.75. Makers' report that they have all they can do attending to orders.

CUT NAILS—There is a good seasonable trade in cut nails, orders from this Province and from the Ottawa Valley being quite noticeable. The base price remains at \$1.75 f. o. b. Montreal, etc., with 5c. rebate.

HORSE NAILS—Enquiry for horse nails is quite active, and values steady. Discounts are 50 per cent. on Standard, and 50 and 20 on Acadia brand.

HORSESHOES—The movement in horse-shoes has been quite brisk and values are steady. Orders are for all sorts. We quote as follows: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35; toe weight, \$5.50.

SCREWS—There is a fair trade doing. Discounts are as follows: Flat head bright 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—Inquiry is active for store and sleigh bolts. Discounts are: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5; tire bolts, 70 and 5, and sleighshoe bolts, 80 per cent.

RIVETS—Demand for these is well maintained. Discounts are: Iron, black and all tinned, sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Trading is light and values unchanged at the recent decline. We quote: Sisal, 7-16 and up, 10c.; ¾, 10¼c.; 5-16 and ¼, 11c., and 3-16, 11¼c. Manilla was unchanged: 7-16, 11½c.; ¾, 12¼c.; 5-16 and ¼, 13c., and 3-16, 13¼c.

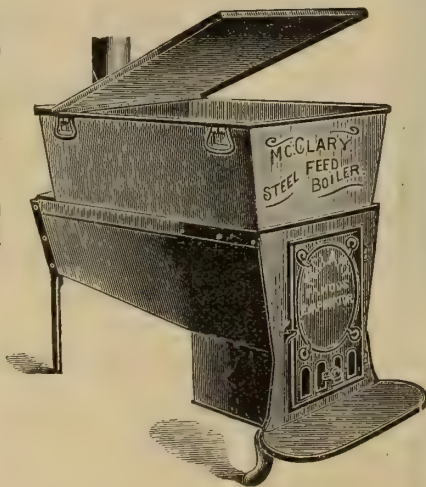
CLOTHES WRINGERS—Business inactive and values unchanged at \$29 to \$30, as to grade.

BELTING—A moderate demand is noted, and values rule the same.

BUILDING PAPER—Rules quiet on the whole, but values are steadier on tarred and dried sheathing and tarred roofing felt, jobbers asking as follows this week: Fibre,

THE FAMOUS EVAPORATOR OR FEED BOILER

For Wood.
Heats Quickly.
Saves Fuel.



Boiling pan made of galvanized steel, holds 50 gallons (imperial). The furnace door, frame, smoke pipe plate, hearth, legs and grates are made of cast iron.

Steel linings prevent the direct heat of the fire from warping or burning the body of furnace.

Size of firing door, 11 x 12 inches.

Length of fire-box, 40 inches.

Being steel, it boils quickly and uses little fuel in doing it.

Aluminum Heater

For COAL OIL.

Can be carried
anywhere.

Made entirely of steel and aluminum.
Will not discolor.

The oil tank is so protected with cold air spaces that oil cannot become heated, and therefore prevents odor.

Cold air is drawn from floor and discharged from top of stove heated, causing a complete circulation of air in the room.

VERY LIGHT. NO SMOKE.

In **AUTUMN** they are a comfort in the nursery and parlors, as well as in **SPRING**.

	No. 24.	No. 30.
Circumference of wick, in.	8¾	10
Approximate weight	11	15



FOR QUICK SHIPMENTS ORDER FROM McCLARY'S.

Sole Agents for Canada

The McClary Manufacturing Company

LONDON

TORONTO

MONTREAL

WINNIPEG and VANCOUVER

The genuine is stenciled "Apollo-Vandergrift"

**APOLLO BEST BLOOM
GALVANIZED IRON.**

Apollo galvanized iron obeys your tool, and stays as you bend it.

Uniform; you know what to expect of it.

Apollo Iron and Steel Company
Vandergrift Building
Pittsburgh
Works: Apollo and Vandergrift, Pa.

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

ROLLING MILLS

.. MONTREAL

MERCHANT BAR IRON—

		BRAND
Best Refined	Bar Iron	AVB
" "	Rivet Iron	AVB
" "	Horseshoe Iron	
Ex. Best	Bar Iron	AXB
" "	Rivet Iron	AXB
" "	Stay Bolt Iron	AXB
" "	Hammered Iron	AHB
" "	Charcoal Iron	ACB

**Tyre, Sleigh Shoe,
Axe and Rivet STEEL.**

CANADA IRON FURNACE CO.,

Manufacturers of Limited

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

tarred, 45c.; dried, 35c.; sheathing, tarred, 30c.; dried, 25c.; tarred roofing felt, \$1.20.

HINGES—Rule firmer though demand is lighter. We quote: 6 to 12 inch, \$3.50 per 100 lb.; 14 inch, \$2.50; screen door are unchanged at \$6.50 per gross pair and T and strap at 70 and 10 per cent. discount off the list.

SPADES AND SHOVELS—Dull, but steady at 40 and 10 per cent. discount.

SPORTING GOODS—Enquiry for these continues fair.

HOUSEHOLD WARE—Orders for both plain and enamel kitchenware are becoming quite numerous.

CUTLERY—Sorting orders are for considerable quantities of both table and pocket sorts.

CEMENT—This market has ruled exceedingly quiet lately owing to continued wet weather, but prices are firmly held. We quote as follows: Belgian, \$1.85 to \$2.05; German, \$2.35 to \$2.50, and English, \$2.25 to \$2.35, with domestic \$1.95 to \$2.

FIREBRICKS—There is a moderate trade in these at \$16 to \$21 per 1,000, as to brand.

METALS.

Demand for heavy iron and metals of all sorts continues good, while prices generally rule very firm on all leading lines. This is particularly the case with spelter and tin, which have scored further advances on outside markets since last week, and are held correspondingly firm here. Copper, also, is considerably higher than it was a week ago in England, while the late advance in Lake ingots at New York has been firmly held during the past week.

PIG IRON—The firm disposition of this material is maintained, and still higher prices are asked this week for Scotch iron ex yard, while domestic pig is strongly held also. We quote: No. 1 Hamilton, \$15.25; to \$15.50; No. 2, \$14.75; Ferrona, \$14.75 to \$15; Siemens, \$14.75 to \$15, and Summerlee and equal brands, \$18, ex wharf, and \$18.50 to \$19 ex yard.

BAR IRON—The mills report that they can hardly get orders out on time, and jobbing demand is also active. Prices, however, are unchanged, at \$1.35 to \$1.40, as to quantity.

HOOPS AND BANDS—There is a fair trade doing in these, and prices are steady at \$1.75 to \$2.

SHEET STEEL—A good trade is noted and values are steady. We quote: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON—Trade is rather light, but prices are held. We quote as follows: \$2.10 on 10 to 16 gauge;

CAST STEEL

"Sanderson's" make, the oldest and most reliable in the market. A large assortment in stock, and import orders promptly filled.

COIL CHAIN

Garland Chain Co.'s make. Special attention to Crane Chain, Dredge Chain, and other high-grades.

ANVILS and VISES

Henry Wright & Co.'s well-known make. Full assortment in stock, at lowest prices.

A. C. LESLIE & CO.

AGENTS
MONTREAL

"GREENING'S

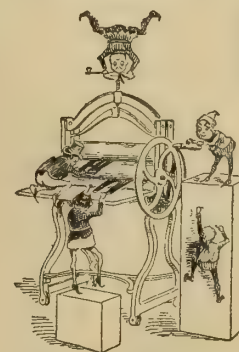
Cow Ties."

These Cow Ties have stood the test for years. Undoubtedly the best and strongest on the market.

It will pay to handle only the best. A complete line of all sizes ready for shipment. For sale by all jobbers.

The B. Greening Wire Co.

LIMITED
MONTREAL AND HAMILTON.



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited

Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

\$1.80 on 18 to 20 gauge; \$2 on 22 to 24 gauge; \$2.10 on 26 gauge, and \$2.15 on 28 gauge.

GALVANIZED IRON—Cable advices are quite steady on galvanized iron and demand is brisk, both for goods from stock and for importation before navigation closes. Prices are held as follows: \$4 to \$4.15 for No. 28 "Queen's Head," and \$3.75 for "Comet,"

INGOT COPPER—Values on this metal have retained the advance scored last week at New York, while in London spot copper was 12s. 6d. higher than it was the previous Monday. Here, trade has been fair and prices firmly held at 13c.

SHEET COPPER—Holders are not urgent sellers at present values. We quote as follows: 16-oz. at 16c., and 14-oz. at 17c.; tinned copper, 16 oz., 18c.; 14 oz., 18½c.; planished 14-oz., 24c.

INGOT TIN—This metal continues to advance abroad, and, naturally, local prices follow. This week, it is 20c. higher, per 100 lb., than it was last at New York, and in London spot tin, in the past eight days, has advanced 16s. the ton. As a result, prices are another ½c. higher here, Lamb and Flag now being quoted at 19c. and Straits 18c. per lb.

PIG LEAD—Values have shown an easier tendency outside during the past week, but local quotations are unchanged at \$3.70 to \$3.80.

IRON PIPE—Business quite active and values firmly held. We quote as follows: Black pipe, ¼-inch, ¾-inch, and ½-inch, \$2.35; ¾-inch, \$2.80; 1-inch, \$3.85; 1¼-inch, \$5; 1½-inch, \$6.70, and 2-inch, \$9. Galvanized, ½-inch, \$3.95; ¾-inch, \$4.80; 1-inch, \$6.65; 1¼-inch, \$9.15; 1½-inch, \$11.75, and 2-inch, \$16.

LEAD PIPE—There is a good movement in lead pipe at 7c. for ordinary, and 7½c. for composition waste, with 25 per cent. discount.

CANADA PLATE—An active trade has been passing in Canada plate. We quote: 52's, \$2.15; 60's \$2.30; 75's, \$2.35; full polished, \$3; galvanized Canada plate, 52's, \$3.75.

TIN PLATE—The firm feeling continues, and demand has been brisk. We quote: Coke, I.C., \$2.90 to \$3.25; charcoal, I.C., Allaway or Comet brands, \$3.25; do. I.X., \$4.10 to \$4.25; Lincoln, \$3.50; P.D. Crown, I.C., \$3.95; do. I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Quiet and steady at \$6 to \$6.25.

COIL CHAIN—Business fair and values steady. We quote: ¼-inch, \$5; 5-16, \$3.50; ¾, \$3.25; 7-16, \$3.15; ½-inch, \$3, and ¾ up, \$2.85.

SHEET ZINC—Trade quiet and prices steady at 6¼ to 6½c.

SOLDER—Unchanged at 12¼c.

ANTIMONY—Fairly active and steady at 9¼ to 9½c.

SPELTER—In New York, values are firmer, but they are easier in Great Britain. Locally, prices are steady at \$5.50 to \$6.

GLASS.

The window glass market is firm at the recent advance, under a good demand. We quote: First break, \$1.70; second, \$1.80 per 50 feet; first break per 100 feet, \$3.20; second, \$3.40; third, \$3.75; fourth, \$4; fifth, \$4.50; sixth, \$5; seventh, \$5.50.

PAINTS AND OILS.

Favorable reports continue to reach us from the manufacturers, who are well occupied with the fall trade. Prices of materials continue to stiffen, especially turpentine, and, while we quote 1c. rise, still further advance is expected before the close of the week. Linseed oil is firm, without change in price. English dry white lead and zinc quotations for next season are higher than they have been for 10 years.

WHITE LEAD—Best brands, Government standard, \$5.62½; No. 1, \$5.25; No. 2, \$4.87½; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4½c.; kegs, 4¾c.; No. 1, casks, 4¼c.; kegs, 4½c.

WHITE ZINC PAINT—Pure, 7c.; No. 1, 6¼c.; No. 2, 5½c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 49c.; boiled, 52c., five to nine-barrels, 1c. less, ten to nineteen, 2c. less, and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 51c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8¼ to 8½c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4½ to 5½c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

PETROLEUM.

There is a brisk inquiry for petroleum. We quote: "Crown Acme," the new Sarnia oil, is selling at 16c. in small quantities; Canadian refined, 14c.; American prime white, 17c.; water white, 18c.; Pratt's astral, 19½c.

HIDES.

Steady and unchanged. We quote:

OAKEY'S

'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

Portland Cements

Best German, English and Belgian Brands

Calcined Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

HEADQUARTERS for BOILERS

Galvanized Range Boilers

"Reliance" } HIGH-CLASS
"Ronald's" } AMERICAN
BOILERS.

Copper Boilers

Radiators, Iron Pipe, Fittings

WRITE FOR PRICES.

♦♦♦♦

**ONTARIO LEAD AND
WIRE CO., Limited**

 **TORONTO**

WAREHOUSE,

55, 57, 59 Richmond St. East.

OFFICE, 54, 56 Lombard St.

Telephones 1092, 763.

Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3, 7c. Lambskins, 65 to 70c.

MONTREAL NOTES.

Holders are asking an advance, both for domestic and Scotch pig here.

Lead has declined somewhat in outside markets, but there is no change on spot.

As a result of the firmness outside, the spot price on ingot tin has been advanced $\frac{1}{2}$ c. per lb.

Jobbers are asking rather firmer prices for tarred and dried sheathing paper and roofing felt.

Laplough & McNaughton have made some large sales of the Snider rifles recently purchased from the Government. Frothingham & Workman, Caverhill, Learmont & Co., and Howden, Starke & Co. are among the Montreal houses that have purchased large quantities.

ONTARIO MARKETS.

TORONTO, Oct. 28, 1898.

HARDWARE.

THE week has been a fairly active one in the wholesale hardware trade in Toronto. The volume of business is larger than a week ago, and the wholesalers are busy trying to keep up with the demand. Wire nails are in fair demand, and several orders for quantities are reported. Cut nails appear to be about as quiet as ever. Screws, bolts, rivets and burrs, and goods of that description, are all in good request. A nice trade is being done in bolts, cutlery and sporting goods. Rope is about as quiet as ever. In horseshoes and horse nails a fairly good business is being experienced. There is practically nothing doing in fencing wires. Payments are, on the whole, fair.

BARB WIRE—The season is over, and there is practically nothing doing. We quote: Four point, \$1.80 f.o.b. Toronto and \$1.85 f.o.b. London; two point at \$1.90 f.o.b. Toronto. Terms, 30 days or 2 per cent 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—There is practically nothing doing in either galvanized or oiled and annealed, and the demand for annealed for hay-baling purposes is still disappointing. We quote as follows: Annealed, oiled and annealed, bright wire, coppered steel and spring, $37\frac{1}{2}$ per cent. discount off the list, with allowance of freight up $\frac{1}{2}$ ¢ per 100 lb.; galvanized, 30 per cent.

WIRE NAILS—The demand has improved, quite a few orders having been received the past week for good-sized quantities, which is taken as an evidence that the trade is realizing that prices have touched bottom. The ruling base price to retailers is still \$1.75 per keg, Toronto, for ordinary quantities.

Eave Troughs and Conductor Pipes

Cheaper to buy from us than to make them.

You're sure of Quality—for we use only the best Galvanized Steel Plate. Our Catalogue shows our many stock lines—in addition we make any pattern Eave Trough to order.

Note the advantages offered by our famous Corrugated Expansion

CONDUCTOR PIPE

In 10-ft. lengths, without cross seam. It's ahead of any other pipe made—can't be affected by contraction or expansion.

Write now for Price List.

The METALLIC ROOFING CO., Limited

1179 King Street West, TORONTO

CUT NAILS—There is still but very little doing. Base price \$1.75 Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—A fairly good trade continues to be done. Discounts are as follows: Standard, oval head, 50 per cent.; Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—Trade is good at unchanged prices. We quote: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—A good trade is being done, particularly in view of the fact that prior to the last advance in prices the jobbers had put in large stocks. Discounts are as follows: Flat head bright, $87\frac{1}{2}$ per cent.; round head bright, 80; flat head brass, $82\frac{1}{2}$, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—Tire bolts are in good demand, and while in sleigh shoe bolts there does not appear to be as much doing as a week or two ago, yet nice quantities are still going out. We quote: Common carriage bolts, $\frac{1}{4}$ to 5-16 inch, 70 per cent.; ditto, $\frac{3}{8}$ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, $4\frac{1}{4}$ ¢; hexagon, $5\frac{1}{4}$ ¢.

RIVETS AND BURRS—Business continues fairly good. We quote as follows: Carriage section, wagon box rivets, etc.,

(steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—The market continues quiet. We quote as follows: Sisal, 7-16 in. and larger, 10c.; $\frac{3}{8}$ in., $10\frac{1}{2}$ ¢; $\frac{1}{4}$ and 5-16 in., 11c.; Manilla, 7-16 in. and larger, $11\frac{1}{2}$ ¢; $\frac{3}{8}$ in., 12c.; $\frac{1}{4}$ and 5-16 in., 13c.; deep sea line, $13\frac{1}{2}$ ¢. for water laid, and $14\frac{1}{2}$ ¢. for machine-made; hemp, 7 to 9c.; lath yarn, $8\frac{3}{8}$ ¢. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—A good business is still to be noted in these. We quote as follows: Rope halters, $\frac{3}{8}$ in., \$8.25 to \$8.50 per gross; $\frac{1}{2}$ in., \$9.25 to \$9.50; $\frac{5}{8}$ in., \$11 to \$11.25. Leather halters—1 in., \$3.87 $\frac{1}{2}$ to \$4 per doz.; $1\frac{1}{4}$ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—The improvement noted a week ago has been maintained. Discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Business is quiet. We quote: "New Leader" "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BELTING—A good trade is being done, and prices are firm with an upward tendency. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and

"Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

BUILDING PAPER — Tarred roofing felt is hard to get. We quote: Plain building, 28 to 30c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.45 to \$1.50 for 10 oz. and \$1.50 to \$1.60 for 16 oz. per 100 lb.; Northumberland plain, 30c.; ditto, tarred, 40c.; ditto, saturated, \$1.50 per 100 lb.; asbestos paper, 6½c. per lb.

CUTLERY—A nice sorting-up trade is being done in pocket and table cutlery.

SPORTING GOODS — Wholesalers report they are fairly busy in guns, rifles, and ammunition.

WARE—There is not a great deal of enamel ware going out, business having fallen off during the past week. Tinware is quiet.

FALL SPECIALTIES—A good demand is reported this week for shanty goods, and trade continues good in stove-boards, oil cans, coal hods, etc.

CEMENT — While the demand continues to slacken off, it is yet considerably greater than usual at this time of the year. Prices are steady and unaltered. We quote in barrel lots as follows: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.50; Canadian hydraulic cements, \$1 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

METALS.

The metal market is, on the whole, in a fairly good condition, as far as prices are concerned. Tin is again higher, the price to retailers now being marked up to 20 to 21c. per lb. Copper, zinc and solder are also firmer and higher.

PIG IRON—We quote: United States pig iron f. o. b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80. Hamilton iron, No. 1, in 100-ton lots, \$14, on track Toronto.

BAR IRON—Trade is still quiet. We quote base price \$1.45 from stock, and \$1.35 from factory.

HOOP AND BAND IRON—A fair trade is still to be noted. We quote: 1 to 6 inch, \$1.65 from factory, and \$1.75 per 100 lb. from stock.

SHEET STEEL—Business continues moderate. We quote: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON — Dull. We quote as follows: 10 to 12 gauge, \$2.25 to \$2.40

per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Trade is decidedly active with prices firm. We quote as follows: Queen's Head (case lots), 16 gauge, 3¾c.; 18 to 24, \$3.87½c.; 26, W. G. 4¾c.; 28 gauge, \$4.37½c.; Gordon Crown (case lots), 28 gauge, \$4; 26 gauge, \$3.75; 22 to 24 gauge, \$3.50. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are ¼c. per lb. higher than figures named.

INGOT COPPER—There is not much doing, but the market is firm, with local quotations higher at 13 to 13½c. per lb.

INGOT TIN—The excitement still continues, and prices are materially higher than week ago. Lamb and Flag we now quote at 21c., and Straits at 20c. per lb.

SHEATHING COPPER, ETC. — Braizers' sheets are ½c. per lb. dearer, quotations now ranging from 16½ to 17½c. per lb., according to gauge. Sheets are quoted at from 16 to 17½c.

PIG LEAD—Dull and weak at 3¾c. for domestic and 4c. per lb. for imported.

LEAD PIPE—A fairly good trade is still to be noted. We quote: Ordinary pipe, 7c., and composition waste, 7½c., with 25 per cent. discount.

TUBING—Trade is fair. We quote: Block tin, 30c., and tin lined, 15c., with 10 to 20 per cent. discount.

IRON PIPE—Trade continues good, with prices firm. It is difficult to get some sizes. We quote as follows: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.25; ½ inch, \$2.25 to \$2.30; ¾ inch, \$2.65 to \$2.70; 1 inch, \$3.80 to \$3.90; 1¼ inch, \$5.05; 1½ inch, \$6.45 to \$6.50; 2 inch, \$8.70 to \$8.80. Galvanized, ¾ inch, \$3.20; ½ inch, \$3.75; ¾ inch, \$4.50; 1 inch, \$6.25; 1¼ inch, \$8.75; 1½ inch, \$11; 2 inch, \$15.

RANGE BOILERS—The demand is good and increasing. We quote: Galvanized, 30 gals. \$5.25; 35 gal., \$6; 40 gal., \$7; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES Trade is fair, the cold snap having led to increased sales. We quote: All-bright, \$2.85 to \$3; half-polished, \$2.35; all-dull, \$2.25.

TIN PLATES—A nice trade in small sorting-up orders is being done. We quote: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

COIL CHAIN—Trade is still quiet. We quote as follows: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ¾ in., \$2.80; ¾ in., \$2.75.

TINNED IRON — Dull. We quote as follows: In case lots for 22 to 24 gauge, and 2¾c. in lesser quantities; cut to size, 24 gauge, case lots, 4¾c.; small lots, 5c.;

26 gauge, standard size, 6c. for case lots, and 6¼c. for small lots.

SHEET ZINC—Trade is fair at higher prices, namely 7c. for case lots and 7¼c. for smaller quantities.

ZINC SPELTER—Very little doing. The price is higher at 5¾c. per lb. for imported.

SOLDER—Is dearer, although the demand is light. We now quote: Half-and-half, 13½ to 14c.; standard, 13 to 13½c.; wire, 13c.; wiping, 11½c.

PAINTS AND OILS.

Trade seems to be on a good, sound basis, and very fair movement is being experienced in all staple lines. An advance of 5c. per gallon in turpentine has taken place this week. This has given a filip to all varnishes, and complaints of cutting are of rare occurrence. In the old country, all the leading brands of lead, zinc and heavy chemicals are firmly held, and concessions are hard to get, even for large orders. Heavy shipments are being hurried through the St. Lawrence route while navigation is open, and the few upper lake boats still running have about all they can carry. The carriage and furniture factories appear to be busy, and, while the city decorators are not being pushed as hard as they were a few weeks back, still they report a fair amount of contracts "in sight" and in the hands of the architects. Liquid paints and sundries are quiet and without change. Putty is in lively demand. Linseed oil is almost stationary. Though prices continue firm, there seems to be no inclination to stock up. General quotations are unchanged, and the outlook may briefly be said to be highly satisfactory, with a strong optimistic feeling prevailing among the large manufacturers.

We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS — Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 13c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9¼c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL — Quotations to outside

western points are (freight allowed) : Raw, 1 to 4 barrels, 49c.; boiled, 1 to 4 barrels, 52c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 56c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

As anticipated, another advance in window glass has taken place this week. First break in 50-foot boxes has advanced 10c., and in 100-foot boxes, 20c.; double diamond under 25 united inches, 50c. The demand is brisk. Some houses report a scarcity in several sizes. Plate and ornamental glass also show great activity. We quote window glass as follows : First break in 50-foot boxes, \$1.80 and in 100-foot boxes, \$3.40; double diamond under 25 united inches, \$5.25, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL.

Prices are unchanged. Demand is good throughout. We quote : Agricultural scrap, 47 1/2c per cwt.; machinery cast, 55c. per cwt; stove cast scrap, 32c.; No 1 wrought scrap, 40 to 50c. per 100 lb.; No. 2, including sheet iron and hoop iron, 10 1/2c.; new light scrap copper, 8c. per lb.; bottoms, 8c.; heavy copper, 8 1/4 to 8 1/2c.; light scrap brass, 4 to 4 1/2c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2 1/2 to 2 3/4c.; zinc, 2c.; scrap rubber, 3 1/2 to 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c per 100 lb.

COAL.

The demand is brisk, but cars are so scarce that it is impossible to keep up with orders. Prices are firm and unchanged. We quote anthracite at Buffalo and bridges : Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

PETROLEUM.

Business continues brisk and prices unchanged. We quote at Toronto : Canadian, 13 1/2c.; Sarnia water white, 15c.; American water white, 16 1/2c.; Pratt's astral, 16c., in bulk.

MARKET NOTES.

Tarred roofing felt is scarce.

Turpentine has advanced 5c. per gallon.

Ingot tin, on spot, is higher at 20 to 21c. per lb.

Sheet zinc, sheet spelter and solder, are all dearer.

An all-round advance in glass is noted. See page 31 for present prices.


The hardware stock of Peter Bertram, Hamilton, has been purchased by F. Hamilton, who will continue the business.

Craig, MacArthur & Co., Toronto, have been appointed Ontario agents for the "Star" boilers, manufactured by the Star Iron Co., Montreal.

The factory of the Macdonald Manufacturing Co., old Upper Canada College buildings, King street west, Toronto, was destroyed by fire at an early hour on Friday morning.

76,800 Daily Production.
5 Factories.
5 Brands.

For Sale all over the world.



NICHOLSON
FILES

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited.

Established 1773.

Manufacturers of **POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS.** Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 136 Paradise Street, Birmingham. Telegraphic Address: "Glass," St. Helens. Telephone No. 68 St. Helens.

CLOSED.



BARCLAY'S PATENT "TRIUMPH" Adjustable Stove Pipe

Can be put up by the most inexperienced.
So constructed that when taken down can be nested and stored in small compass.

Manufactured by

G. B. BARCLAY

168 Adelaide St. W.

TORONTO

NESTED.



In Grates of 25.

...BRUSHES...

Now is the time to get prices for fall stock of



DANDY BRUSHES
HORSE BRUSHES, Leather Backs
HORSE BRUSHES, Wood Backs
STOVE BRUSHES

Write us for prices and samples, or wait for our travellers.

MEAKINS & CO.

313 St. Paul Street

MONTREAL

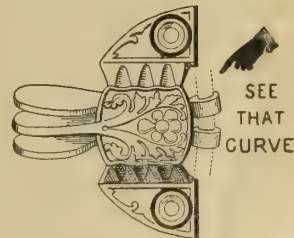
The Philosophy of the Cooke Sash Lock :

"A straight rod can't pass through holes that are not in line."

"The Rod of the Cooke Sash Lock is straight."

"The Holes in the lugs are never in line except when thumb pieces are pressed together."

"You can't forget to lock securely; when your hand leaves the thumb pieces, the sash is locked."



COOKE HARDWARE CO.

HAMILTON, ONT.

America's FAMOUS

Washing Machine.

Manufactured by the

Toronto Special Machinery Co.

154 Spadina Ave., Toronto, Ont.

This is the only Practical Washer on the market. Actual trials have proved that it will wash cleaner, more easily and quickly, with less wear on the clothes, than any other machine in use. SEND FOR PRICES AND TERMS TO DEALERS.

HORSE SHOE NAILS.

Anyone interested in the manufacture of a new and superior nail, by a new and superior process, address, Box 422, Providence, R. I., U. S. A.

Good Advertising

For Wide Awake Retailers

By F. James Gibson.

Our "Good Advertising" department is to help our subscribers to do better advertising. The gentleman whom we have selected as its conductor is well known as one of the foremost advertising specialists of the day. Any of our readers who desire the benefit of Mr. Gibson's criticisms on advertisements or advertising methods, or his advice on any advertising subject, can have it or both entirely free of charge by writing to him in care of this journal.

If correspondents so desire, fictitious names or initials may be used for publication. But all requests should be accompanied by the subscriber's name,

GETTING in a rut, it seems to me, is the cause of most of the poor advertising one sees so plentifully in Canadian and other publications. The man in a rut, whether he be engaged in advertising, merchandizing, soldiering, or what not, generally turns out to be a failure. This is the reason, no doubt, why most men fail, or, at best, achieve only a very moderate success. But, what is getting in a rut in advertising? It is simply doing what other people are doing. Napoleon got out of the rut, or, rather, never got in it, and the result was that he would have conquered Europe and the world if he had not been stopped at Waterloo. A. T. Stewart was another man of the same stamp, and it has been said of him that if he had lived 20 years longer and retained his faculties unimpaired he would have owned the whole of New York. Getting out of the rut or keeping out of it are conversely the doing of things differently to one's neighbors. In advertising it is having a style of one's own. It is an avoidance of the conventional. If everybody else is using big black type and bombastic words, the man afraid of a rut is the one who tells his story in plain pica in modest language. If every one else is saying: "We beg to announce that we have opened up a stock of staple and fancy goods, and would be pleased to see our friends and the public generally," the anti-rut man jumps right in and says: "I've opened up a new grocery store, and I want you to come and buy from me. And I want you to come so very much that I will sell you goods at the following prices," and so on. To the student of advertising it is really disheartening to glance over the columns of the publications of the day. With comparatively few exceptions it is a dreary Sahara of sameness that meets the eye. How an advertisement with individuality in it stands out! Some one has evidently got out of the rut, and his bank account will probably feel the good effects.

* * *

On several occasions in these columns I have advised merchants to have a distinct style of type of their own in their advertising. I have advised them to aim at a distinctiveness that will bring their stores to the readers' minds, even though their advertisements haven't been read—only glanced at, perhaps, in a mechanical way. I now want to reiterate this advice as emphatically as possible. I want each reader of these lines to put the question to himself: What can I do to make my advertising distinctive? There are lots of ways to do it. One way to help towards the desired end is to write the name of your firm in a plain and bold hand and get the writing reproduced in the form of an electroplate. With this and a single font of display type, which no one else in the paper uses, a very creditable showing will be the result. And there are dozens of other ways.

* * *

A great many smart merchants find it very difficult to get their minds free enough from business cares, to sit down to the serious business of writing an ad. Other merchants, quite as good merchants, haven't the peculiar ability required to write advertisements

anyway. And some of these latter know that they haven't. What they are to do, they don't exactly know. Some people advise them to consult a specialist in advertising. This is obviously the best way, but, with some merchants, it is quite an impracticable way. It has often occurred to me that, in a great many stores, a good deal of undeveloped advertising talent goes to waste. Even in small stores, there is frequently someone among the clerks who has the germs of advertising ability in him which, if developed, would be of considerable service to the business. The "boss," however, usually thinks he knows it all, and never dreams that one of the boys who sweep out the store in the morning, could, perhaps, give him valuable advertising "pointers." It is decidedly a good plan for a merchant to encourage and develop any latent interest and talent which, by more or less diligent observation, he may discover among his employes. It would be a good plan to select two or three of the brightest of them, and get them competing with one another as to who can write the best ads. for the store, or make the most valuable advertising suggestions. Quite frequently, some bright ideas will be brought to light, and the overburdened or incapable merchant greatly benefited. There are a number of very useful publications devoted to the cause of advertising, which every store, no matter how small, ought to have the benefit of. "Printers' Ink," published weekly at 10 Spruce St., New York City, is, I think, the best of these. The subscription price is \$5 a year, but, by many business men, it has been found to be simply invaluable. Such a publication as this, placed in the hands of two or three bright young men in a store, will, I am sure, pay for itself over and over again. Try it, Mr. Merchant, you may get some good ideas out of it yourself, and someone in your employ may turn out, through its agency, to be a real advertising genius. By all means give the boys a chance.

* * *

Here is an advertisement

clipped from The Napanee Star, which is almost inexpressibly silly. If Mr. Stevens' barrels are no better than this ad., it is perhaps just as well that he doesn't advertise them any better than this effusion would indicate. I reproduce this advertisement because its faults are the faults of a great many other

Now That the War is Ended

Farmers will need barrels for packing their Apples. I therefore wish to inform the public that I am running my Barrel Factory at full blast. All barrels are made of this year's stock, and workmanship the best. Apply at the ST. R. office.

Chas. Stevens.

KNOX HENRY.

Heavy Hardware and Metal Broker
Room 220 1/2 Board of Trade, MONTREAL.

SPECIALTIES—C Brand Horse Nails—Canada Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—Chalcraft Screw Co.

BRASS GOODS—Gunn Costor Co., Limited, Birmingham, Eng.

CAPITAL CITY BUSINESS COLLEGE.

A. M. Grimes, M. A., Principal.

Shorthand, Bookkeeping, Penman-ship, Telegraphy, Business Correspondence and Proofreading, Pitman's or Munson's Shorthand, per month, \$4.00; White's Phonography, per month, \$8.00; Telegraphy, per month, \$8.00; Bookkeeping and Business Practice, per course, \$35.00; Bookkeeping and Business Practice, per month, \$5.00; Penmanship, per month, \$3.00; Night School, per month, \$3.00; Private Lessons, each, \$1.00. Address, A. M. GRIMES, Principal, Cor Bank and Sparks Sts., Ottawa.



**ONE
DOLLAR
A
YEAR**

★
Sample
Copy
Free

★
D. T. Mallett
Publisher
271 Broadway
New York

CANADIAN ADVERTISING is best done by THE
E. DESBARATS ADVERTISING AGENCY,
MONTREAL.

ISLAND CITY Paint and Varnish Works

.. Manufacturers of ..

**READY MIXED PAINTS and
FINE COACH VARNISHES.**

WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.
WORKS 274 St. Patrick St., MONTREAL.

**BOLTS STOVE
TIRE**

RIVETS OF ALL KINDS.

Montreal Agent—**KNOX HENRY,**
Board of Trade Bdg.

Toronto Agent—**LOUIS HUFFMAN,**
1634 King Street West.

**CHALCRAFT
SCREW CO.
BRANTFORD, ONT.**

We are the Oldest and Largest Manufacturers of

SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The ...

John Morrow Machine Screw Co.
Ingersoll - Ontario.

Lanterns

CAUTION.

As some jobbers are trying to substitute other Lanterns to their customers, when ours are asked for, the trade are respectfully requested to see that they get "WRIGHT'S" Lanterns when they order them, as there are no lanterns equal to them in the market.

E. T. Wright & Co.,
Manufacturers,
Hamilton, - Ont.

About Horse-Shoe Nails:—

It is a matter of considerable importance to every purchaser or consumer of horse-shoe nails, that the best only shall be procured. It does not make so much difference with other nails, which are driven in wood. But with horse nails, as they are only used to attach a shoe to a horse's foot, which is a sensitive, vital structure, it is most important that the nails used should be perfect in every respect; of the best material and pattern, and free from "splits" or liability to fracture, etc. One imperfect nail, badly driven, may result in permanent disability or lameness to a horse. It is false economy, and poor buying, to take any risk when you can avoid it.

Our "C" brand horse nails have been manufactured and sold in Canada since 1865,—a period of 33 years. They have been, and are still, the standard horse nails of Canada for quality and pattern, and are without a superior anywhere. We use only the best selected Swedish (Norway) charcoal iron rolled nail rods; the best material known for the purpose. These rods are hot forged by machinery, which gives all the advantage of the old-fashioned hand-hammered process, but with greater uniformity. After being pointed and finished by patented machinery, used only in our works in Canada, they are all further examined singly by hand, and every nail not up to our high standard for "C" brand, is thrown out for scrap or "culls." Every horse shoe nail we sell under our "C" brand is warranted perfect and ready for immediate use. They will be replaced free of charge if found otherwise to any purchaser. If the dealer from whom you usually purchase cannot, or will not supply you with our nails, write us direct and we will give your name to nearest dealers who will supply the "C" brand. Samples and price lists furnished on application.

CANADA HORSE NAIL COMPANY
MONTREAL.

GOOD ADVERTISING—Continued.

advertisements. To me, advertising is a very serious thing. Of course, I don't object to a light touch of humor once in a while, but it must be well done. So far as I can see there is no earthly or other connection, humorous or otherwise, between the products of an apple barrel factory in Napanee and the war just closed by the United States Government, which is evidently what is referred to. All these so prevalent attempts to attract attention to advertising by a display line relating to something entirely foreign to the ad. is poor advertising. If Mr. Stevens were to meet a farmer on one of the streets of Napanee, and he wanted to sell barrels to him, he wouldn't hail him with: "Now that the war is over," etc. He would probably start right in and talk apple barrels. Then, why in the name of common sense does he not talk the same way in his newspaper advertising? One of the questions our farmer would probably ask Mr. Stevens is: What is the price of the barrels? Why then should Mr. Stevens anticipate such a natural question by quoting prices in his ad.? If Mr. Stevens had taken time to do a little solid thinking before he "placed" this ad. he would probably have reflected that the farmers of his locality were far more interested in apple barrels than in a war in a foreign country, and if any of them wanted to buy apple barrels, which is quite probable, they would necessarily want to know how much the apple barrels would cost them.

* * *

Here's another Napanee ad., which is several hundred times better, but not so good as it ought to be. Its good points are: It

talks straight business from start to finish, and it quotes prices, not so many as it ought to quote, but still it quotes some. It is somewhat weak kneed from a grammatical standpoint, and the "display" is very poor, but its good points outweigh its bad points.

* * *

I had occasion not long ago in these columns to unfavorably criti-

WHETHER

You have Clothes to suit the Weather. That's the Point to Consider.

We are interested because we have a stock of Clothing suitable for this warm weather, and desire to dispose of it at low figures.

We have light Coats from 75c. to \$3.00. White Duck Pants at \$1.00 and \$1.25. Blue Overalls for both Men and Children. White Duck Caps for Youths, or Ladies' Cycling Caps. Bicycle Suits, Footless Bicycle Hose, Belts, Sashes. Light weight all-wool and Balbriggan Underwear, etc.

Our Summer Hats were carefully selected and bought from the best manufacturers, and prices lower than ever shown before.

We make the best Ordered Clothing in this section, at the lowest possible profit, when you consider the quality of the goods and trimmings used.

J. L. BOYES,

McALISTER'S OLD STAND.

cize an advertisement of Knox, Morgan & Co., Hamilton. The advertisement referred to was of the old stereotyped form. It merely said that this firm's stocks for the then coming season's trade were complete and that samples were in the hands of their travelers and so on. It, therefore, gives me particularly great pleasure to refer here to that firm's advertisement in THE DRY GOODS REVIEW of last month. This last advertisement, while it would have been better for more of a detailed description of some of the lines offered, is, on the whole, a great improvement on the one criticized so unfavorably. It has real, definite, business-like information in it and above all, it has prices. It is an ad. that ought to have sold goods.

* * *

Ferguson & Crowell, Sydney, N.S., send me an advertisement, part of which they want criticized. Here it is, somewhat reduced in size:

Ladies' Kid Boots.

We have 180 pairs of this one line, which we are offering



this week at an almost unheard of value, when quality is considered. These are not sheep or union goods, but **Pure Dongola Kid**, cut in the very latest style and patent tips. The goodness of the goods and littleness of the price is astonishing. **Only \$1.25 per Pair.**

Mens' Boots.

Fine, Box, Calf Boot, Congress or Lace, Goodyear Welt. Same quality as you pay more money for.

Our Price, \$2 and \$2.50.

WALL PAPER.

Thousands of New, Bright Papers opening up for the Spring house cleaning. Call early for choice of patterns. Best American designs at small cost.

Out of Town Friends

Will have large Sample Books sent them by remitting us \$1. They may keep the book one week and deduct the dollar from amount of money sent with order. You will save money by buying our papers as well as have a fine selection right at home to choose from. If five or six parties order at one time, freight charges will only amount to 4 or 5c. each.

GIRLS' BOOTS.

Just opened, splendid value in a Button Boot for School.

Only 95c.

SHEETINGS.

We have come across two pieces 2 yards wide, Twill White Sheeting, that we will clear at the same price as during the Hayden Bankrupt Stock Sale,

Only 20c. per yard.

— ALSO —

Some Twill Bleached Night Gown Cotton, at the same Bankrupt Stock Sale Price,

Only 10c. per yard.

— ALSO —

Some beautiful fine Chambrays in black and white stripe and light effects — plain, pink, etc. These goods, as you know, are usually sold at 15c. We have cut them (to make a run)

To only 10c. per yard.

I think that this advertisement is very creditable to Ferguson & Crowell, and to The Sydney Advocate which printed it. When one remembers what a small, out-of-the-way place Sydney is, the excellence of the advertising is all the more remarkable. It is well set up from a typographical point of view. The illustrations look well. But, above all, there is an air of straightforward business about the advertisement which is worthy of imitation.

PERRINS' KID GLOVES.

We have a special inducement to make for the Easter trade. Watch these columns for important developments. You may be sure that we shall have the very newest kids,

GROCERY DEPARTMENT

SALMON.—A few cases of British Columbia Salmon to clear at

Two Cans for 25c.

TOMATOES.—Only a case or two left. They are yours at the wholesale cost,

Only 10c. per can.

DIGBY CHICKS.—A few boxes more (new pack) to clear at old prices.

DRESS PATTERNS,

In Silk and Wool novelty mixtures, beautiful effects. The newest of the season, and exclusive patterns — "English, you know." All 6½-yard lengths and going out at

Only \$3 per pattern.

BROCADED SATEENS,

In newest American novelty effects. Fine Silk finish. Suitable for Blouses. All dark grounds, with Polka Dot and Figured Patterns. Splendid value

At 15 and 20c.

LAWNS.

In White Victoria we are famous; in fact, we are proud of the position we hold with this line—and especially proud of this season's importations. Examine our beautiful fine weave

At only 12c. per yard.

NEEDED LARGER PREMISES.

W. L. Haldimand & Sons, finding their old premises too small for their growing business, have removed to 36 and 38 St. Dizier street, where they now have seven flats, all of which are fully occupied. The ground floor is used entirely for office and shipping-room. The second flat will be fitted up as a sample-room, and, when completed, will be one of the finest in the city. Messrs. Haldimand represent the following English firms: J. Askham & Son and J. Howard & Son, Sheffield. Besides which they are eastern representatives for the following Canadian firms: Burrow, Stewart & Milne; Whitman & Barnes Mfg. Co.; Dowswell Mfg. Co.; Parmenter & Bullock Co.; R. H. Smith Co.; J. H. Stitt.

Speaking of business, they said the past season had been one of their best. In fact, they are so busy they have had no time to devote to the arranging of their sample-room. Their stove trade has been large, and, to supply the demand, they have been compelled to send out some of their samples, and, although they are receiving goods every day, they are still unable to keep up to present orders. Business in all their other lines has been exceedingly good, and the prospects for fall and winter were never brighter.

NEW PROCESS BRASSED GOODS.

Jno. E. Sheldon of Birmingham, Eng., president of the Gunn, Costor Co., Limited, was in Montreal, last week, showing samples of brassed goods. These goods are made by an entirely new process and, when samples are seen by the trade, will thoroughly revolutionize the market, and solid brass goods, now in use will, they claim, be a thing of the past. Mr. Sheldon, before coming to Canada, made a thorough canvass of the United States and has taken back with him orders that will surprise our friends across the line.

Knox Henry, 220½ Board of Trade, Montreal, has been appointed sole agent in Canada, and prospective buyers will do well to examine these goods before placing their orders. The lines shown at present are hat and coat hooks, drawer handles, buttons, etc. The prices quoted are said to be lower than any ever shown in this market.

"I don't know as I kin git my money back," said Mr. Cornloss, as he ruefully rubbed his brow, "But I must say as how I ain't going to recommend any customers to that concern." "Have you been making investments?" "I sent a dollar to a man who advertised that he'd tell a sure way of making money fast." "Didn't you get any answer?" "Yes. He said put glue on it."

"WE GUARANTEE THEM."

When buying Axes and Edge Tools **always specify Warnock's**, as we guarantee them to you, and you can guarantee them to your customer.

James Warnock & Co., Galt.**STEVENS IDEAL, NO. 44.**

This is as reliable and accurate a rifle as can be constructed. Placed at a moderate price to meet the demand for such a rifle. It is recommended without qualification and fully guar-

anteed. Made in the following styles:

.22 Long-Rifle R. F., 25 Stevens R. F., and .32 Long R. F. Standard length of barrel for rim-fire cartridges, 24 inches. Weight 7½ pounds.

.25-20 Stevens C. F., .32-40 C. F., .38-55 C. F., and .44-40 (.44 W. C. F.) Standard length of barrel for center-fire cartridges, 26 inches. Weight, 7½ pounds.

Half-octagon barrel, oiled walnut stock and fore-arm, rifle butt, case-hardened receiver, sporting rear and Rocky Mountain front sight.

Price, with standard length of barrel, \$13.00.

Can be obtained of any of the leading jobbers in Canada at liberal discount from this price.

Send for complete catalogue of our full line of Rifles, Pistols and Machinists' Tools.

J. Stevens Arms & Tool Co., P. O. Box 217, Chicopee Falls, Mass., U.S.A.

**PERFECTION
AUTOMATIC
REVOLVER.**



**Forehand
Arms Co.**

Manufacturers of
the

Forehand Guns

**Worcester,
Mass.**

NEW Automatic shell extracting,
double action, small frame.
Weighs 12 oz. Rebounding lock. 32
caliber. 5 shot.

Made with shorter barrel for bicycle
use.

The most perfect small pistol made.

**SEND FOR
CATALOGUE.**

**PAINTING CAN ONLY BE DONE WELL
BY USING THE BEST MATERIALS.
THESE CAN BE OBTAINED
TO BEST ADVANTAGE**

— FROM —

Henderson & Potts

NOVA SCOTIA PAINT AND VARNISH WORKS.

Sole Agents for the Dominion for

**Manufacturers
of ...**

White Lead and Coloured Paints

Ready Mixed House and Floor Paints

Japan Coach Colors and Varnishes

Oil and Varnish Wood Stains, etc.



HALIFAX, N.S. and 747 CRAIG STREET, MONTREAL.

HEATING AND PLUMBING

PLUMBING AND HEATING NOTES.

BUILDING permits have been issued in Toronto to J. J. McLaughlin, for a two-storey and basement addition to his factory at 153 and 155 Sherbourne street, to cost \$1,600; to James B. Gouinlock, for a pair of semi-detached two-storey and attic brick residences, near Leopold street, on the west side Jamieson avenue, to cost \$7,500; to the Toronto Fence and Ornamental Iron Works, for a two-storey brick factory at 99 and 101 Queen street east, to cost \$3,500; to F. G. Clarke, for a two-storey and attic brick residence, on the west side Glen road, near the South Drive, Rosedale, to cost \$5,500.

The Dunnville Natural Gas Co., Limited, has been incorporated to operate in Haldimand county, Ont.

A Toronto plumber says that he would be a poet only that instead of it being his business to pipe a lay, he frequently lays a pipe.

A. A. Purdy, of Purdy, Mansell & Co., put in a new sewage system in P. W. Ellis & Co.'s factory at 31 and 33 Wellington street east, without securing a permit from the Medical Health Department, and was mulcted \$10 and costs for the offence.

The Dundas Electric Co., Limited, Dundas, Ont., has been incorporated with a capital stock of \$40,000 for supplying steam, heat, electricity or natural gas for heat, light and power. The company includes: George Hamilton Harper, miller; Richard Todd Wilson, gentleman; James John Grafton, merchant; Emilie Beatrice Harper, married woman, and John Bertram, manufacturer, all of Dundas.

A WRONG IMPRESSION.

At the present time, the daily press throughout the country affect to believe that the enforcement of the Baltimore resolutions is only an attempt to cut off competition in plumbing contracts by depriving plumbers outside the national and local associations of the opportunity of purchasing plumbing materials from manufacturers in accord with the association. They (the editors) maintain that the purpose is on the part of the associated plumbers to force the outside plumbers out of business, and then make the public pay whatever rate is agreed upon by "the combine." There never was a greater fallacy. All that is necessary to disabuse one's mind on this score is to keep track of bids on possible contracts, where the figures often show as much as 50

per cent. difference, and the conclusion becomes unavoidable that some one of three things is the cause: first, that the higher bids are conservative and fair, or that the bidders were, in racing parlance, "riding for a fall," and that the cheap bidders were men who did not understand their obligations, or who did not intend to pay for the material used.—Sanitary Plumber.

CARDINAL WOLSEY'S LEAD PIPES.

WHEN the great Cardinal Wolsey, Lord Chancellor of England under King Henry VIII, built Hampton Court Palace, at the beginning of the sixteenth century, he determined to bring his supply of drinking water from some famous fresh water springs at Coombe, some distance away, in the Surrey hills. An elaborate method of collecting the water was adopted. Three principal conduit houses were built, which still exist. By means of a number of underground feeders the water was conveyed from the springs to these conduit houses, whence it flowed, in separate pipes, to Norbiton, where a junction was effected. From this point the water was taken directly to the palace through a lead pipe 2¼ inches in diameter, which ran at a depth varying from 3 to 6 feet, except where it crossed the Thames, where a considerable dip was necessary to carry the pipe under the river. This water formed the sole domestic supply of Hampton Court Palace for nearly 350 years, and was only discarded about 30 years ago, on account of the increased building about Coombe having polluted some of the sources of the supply.

By order of the British Commissioners of Public Works, the old lead pipes between Coombe and Hampton Court, which became a royal palace at the death of the Cardinal, have recently been taken up, after being buried since the year 1520. It

says much for the honest workmanship of the plumbers of those days that these pipes were found to be in perfect condition, and very few of them had any trace of wear and tear. They included some of enormous length, as much as 200 feet being found without a joint. These old pipes, moreover, are of considerable value, because they were made at a time when the method of extracting the silver from the lead had not been discovered. They are of a substantial nature, averaging about 10 lb. to 1 foot. The undertaking has proved decidedly profitable for the Department of Works, which will be some thousands of pounds in pocket by it.

PLUMBING AND HEATING CONTRACTS.

Labelle & Deschamps, Montreal, have the following contracts: The plumbing and roofing two houses for P. Paquin; the plumbing and roofing two houses for Scnay & Vigeant; the plumbing, heating, roofing and ventilating a house for John Ford; The plumbing, heating, roofing and ventilating two houses for S. D. Vallieres; the plumbing and roofing four houses for Bestin & Valique.

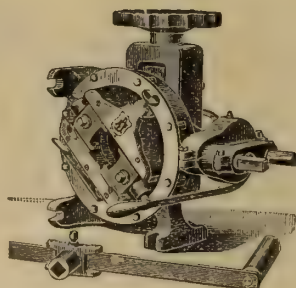
Guest & Co., Toronto, have contracts for plumbing in the residence of J. Gregory, Classic avenue; for steam-fitting in the residence of Major Carlaw, Parkdale; for plumbing in the warehouse of Campbell, Davison & Co., Front street east; for hot-water heating in a factory for Ed. Nutthall, Adelaide street west, Toronto, and for the plumbing of a residence for Robt. Garland, Little York, Ont.

STOPPING THE NOISE IN RADIATORS

Radiators are often set to thumping, says The Tradesman, by having the steam partly turned on while the return valve is closed, or through a leaky valve letting a little steam

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)



New No. 0 Threading Machine.

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.

THE ARMSTRONG MFG. CO.

New York Office:
139 Centre Street

Bridgeport, Conn.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinsplate, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

PATENTS PROMPTLY SECURED

Write today for a free copy of our interesting books "Inventors' Help" and "How you are swindled." We have extensive experience in the intricate patent laws of 50 foreign countries. Send sketch, model or photo for free advice. **MARION & MARION, Experts,** New York Life Building, Montreal, and Atlantic Building, Washington, D. C.

T. L. Paton.

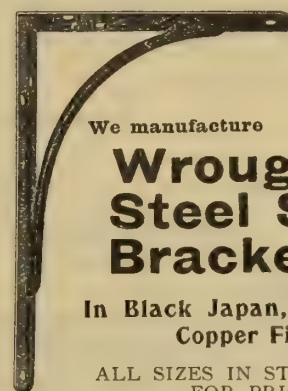
30 St. Francois Xavier St., MONTREAL.
Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
Wholesale trade only.

IRON PIPE and FITTINGS

Valves and appliances for

STEAM and HOT WATER HEATING.

THE JAS. MORRISON BRASS MFG. CO.
TORONTO Limited



We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and Copper Finish.

ALL SIZES IN STOCK. SEND FOR PRICES.

H. R. IVES & CO., Montreal.

into the radiator while it is supposed to be out of use. Even in well set-up systems, where there is no decided drop back to the pipes toward the boiler, a great thumping may result from suddenly turning a full head of steam into cold pipes and radiators. Under these circumstances so much water will be turned into the cold pipes that it will block a part of the level portions and make a great noise before it can get back to the boiler and leave the pipes clear. This can be prevented by turning the steam on more slowly.

B. C. SHIPPING ACTIVITY.

There has been considerable activity in British Columbia shipping circles of late. About 40 vessels, of an average tonnage of 1,300, are now loading in British Columbia ports. About 15 are at the lumber mills, five are loading at the collieries, three loading salmon, and the remainder general cargoes.

That Vancouver is rapidly forging to the front, as a port, may be judged from the fact that nine lumber vessels, one royal mail and six or seven steamers are loading here, and, during the past week, the Oriental royal mail steamer has left, outward bound. Four lumber vessels, with full cargoes, have sailed during the week for foreign ports.—Province, Vancouver, October 17.

GLASS WORKS MOVING.

The Hamilton Glass Co., who have extensive works in Hamilton, employing about 120 hands, and a branch in Toronto, have decided to move all their works to Toronto. They will be exempt from all taxes, except for school and local improvement purposes. They agree to employ 95 hands at least eight months in the year, but expect, as their plant in Toronto will be increased by the erection of flint works, the number of hands will be soon increased to a daily average of at least 175 for eight months in the year.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

METIVIER & BOIVIN, general merchants and sawmillers, St. Damien, Que., have assigned.

Ludger D. Gauthier, manufacturer of spring beds, etc., Acton, Que., has assigned, and a meeting of his creditors will be held on the 4th prox.

Paradis & Tobin, Quebec, have been appointed provisional guardians of Pierre Maltais, general merchant, Murray Bay, Que., who has assigned.

PARTNERSHIPS FORMED AND DISSOLVED.

Harrison Bros., blacksmiths, Lennoxville, Que., have dissolved.

Dionne & Jacques, general merchants, Garthby, Que., have dissolved.

Gaudoise & Arthur have registered proprietors of G. Lajeunesse & Frere, hardware dealers, Quebec.

W. N. Irwin & Co., have registered partnership as dealers in agricultural implements in Sherbrooke, Que.

W. D. Cameron & Co., general merchants, Lander, Man., have admitted H. C. Hamelin as partner.

J. C. Brunette & Co., hardware dealers, Ste. Cunegonde, Que., have dissolved, and a new partnership has been registered under the old style.

SALES MADE AND PENDING.

Isaac Grossman, general merchant, Ailsa Craig, Ont., has sold out.

H. J. Ferguson, general merchant, Quyon, Que., has sold out to H. S. Dowd.

The stock of Gannon Bros., general merchants, North Sydney, N.S., is advertised for sale by sheriff.

John Laval, general merchant, St. Charles (Bellechasse), Que., has purchased the bankrupt stock of L. Couture, St. Francois, Que., at 65c. on the dollar.

CHANGES.

V. Cliche, general merchant, St. Joseph (Beauce), Que., has retired from business.

Bradshaw & Co., general merchants, Goat River, B.C. have removed to Brooklyn.

Elzear Breton, general merchant, St. Raphael, Que., has retired from business.

Ed. Tremblay, general merchant, St. Paul's Bay, Que., has retired from business.

W. C. Cormack, general merchant, Greenway, Man., has sold out to P. F. Curtis.

P. H. Hamilton is giving up business as bicycle dealer in Paris, Ont.

I. B. Brook, general merchant, Fenella, Ont., has sold out his stock to Saml. Clark, Cobourg, Ont.

Carrier & Drolet, general merchants, St. Charles (Bellechasse), Que., have been succeeded by Pierre Drolet.

Brundage Bros., general merchants, Trout Creek, Ont., are giving up business, and intend leaving that place.

J. W. Wilcox, general merchant, Alameda and Carlyle, N.W.T., has sold his Alameda branch to Scott Bros.

W. A. Fleming has registered as proprietor of W. A. Fleming & Co., manufacturers of patent belting, etc., Montreal.

The item in last week's issue, stating that Merry & Williams, dealers in agricultural implements, had closed their Roland, Man., branch was incorrect, as this branch is to be continued.

FIRES.

G. R. Ross, general merchant, Glenelg, N.S., has been burned out; insured for \$1,500.

Wm. Doyle, wholesale and retail hardware dealer, Quebec, has been burned out; insured.

James Robinson, general merchant and lumber dealer, Millerton, N.B., has been burned out.

Cauchon & Frere, general merchants, Etchimin, Que., have been burned out; partially insured.

S. F. and W. E. Roop & Co., contractors, builders, etc., Middleton, N.S., have been burned out; no insurance.

Lemieux & Fils, wholesale hardware dealers, and Noel & Dagneau, wholesale and retail hardware merchants, Quebec, have suffered damage by fire.

DEATHS.

Leonard Finch, general merchant, St. Mary's Ferry, N.B., is dead.

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

... TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.**VanTuyt & Fairbank**
Petrolia, Ont.

Headquarters for ..

Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.**PARIS ELECTRO PLATING CO.**

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings
Piano Stool Feet, Novelties, etc. Bicycle Work
a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.

**STEEL LETTERS
AND FIGURES,
STEEL STAMPS**If your jobber does not
keep our goods, write us
direct, we are the manufac-
turers.**Hamilton Stamp &
Stencil Works**
Hamilton, Ont.Send for 100-page catalogue
Stamp and Stencil goods.**The Portland Rolling
Mills Co., Limited**

Manufacturers of

Refined Bar Iron
Railway Spikes
Pressed Spikes
Nails and Tacks
"Diamond" Brand Horse Shoes
ST. JOHN, N.B.**"JARDINE"
TIRE UPSETTERS
WILL UPSET TIRES**Some machines sold as Upsetters will not.
Perhaps you make as much money on the
sale of a useless Upsetter as on a good
one, but your customer does not. He
don't want a machine because it is called
an Upsetter; he wants a machine to upset
tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.**SPORTSMEN**

NOTE

THE ABBEY IMPROVED CHILLED SHOT
NEWCASTLE, ENGLAND.Is made by a New PROCESS, and is highly spoken of by
Sportsmen and Sporting Papers. Kills at greater distance
than Soft Shot. Gunmakers wishing repeat orders should
load with this shot.**The Toronto Patent Agency**

Limited

CAPITAL = \$25,000

W. H. SHAW, ESQ., President.
JOS. DOUST, ESQ., Vice-President.
J. ARTHUR MCMURTRY, Sec.-Treas.79, 80, 81, 82 Confederation Life Building
TORONTO, ONT.General Patent Agents in procuring Home and Foreign
Patents and all matters pertaining to Patents and Patent
Causes, also the buying and selling of Patents, and the
Organizing and promoting of Joint Stock Companies. List
of 500 inventions wanted and list of Canadian Patented
inventions for sale, mailed to any address free, address**The Toronto Patent Agency**

Limited

TORONTO, ONT.

Established 1860.

Incorporated 1895

"New Process" OIL HEATERSHave a clean record. There are more of these Heaters in use than any other Heater
made. They sell themselves and stay sold. General agents for Canada**THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL.**

Manufacturers of

Cotton, Jute, Hemp and Flax
Twines and Cordage
Mill Banding and Driving Ropes
Chalk and Fishing Lines
Seine Twine, Hammocks, Tennis
Cricket and Fly Nets
Cotton Rope and Clothes Lines
Plough Lines, etc.**HUTCHISON, SHURLY & DERRETT**

1078 BLOOR STREET WEST, TORONTO.

FRANK H. SCOTTEnglish and Foreign Manufacturers' Agent, 27A Temple
Building, 185 St. James Street, Montreal. Representing
Hawksworth, Eyre & Co., Sheffield; Silver and Plated Goods.
Specialties: Candlesticks, Candelabra and Lamps—Maleham
& Yeomans; Sheffield Cutlery—James & F. C. Wild,
Sheffield; Steel and File—Theodor Fischer, Solingen, Ger-
many; Scissors, Shears, Etc.

A Full Range of Samples on View.



TRADE

MARK

**TRUE BRAND
CUTLERY.**Gives universal satisfaction. Every blade stamped with
our name or trade mark we guarantee to be made of the
best steel.**E. F. WALTER & CO.**
MONTREAL

Good Luck

Dry Fibre Brand of
Felt Sheeting

Manufactured by

LOCKERBY & McCOMB

Manufacturers of

All Kinds of Roofing Paper

Pitch and Coal Tar

65 Shannon Street
..... MONTREAL

THE ...
UNRIVALLED



**Brilliant
St. Antoine**

**METAL
POLISH.**

Free from acids.

Most useful for household articles, musical instruments, jewellery, harness, etc. Highly recommended by fire brigades, railway and steamship companies.

SEND FOR QUOTATIONS.

Also manufacturers of Mucilage, Ink and the famous **St. Antoine Cement** for glass and china ware.

THE VICTORIA CHEMICAL WORKS CO.
MONTREAL

Did You Forget ?

When you sent in that last order for brooms and brushes, you overlooked one very important specialty that we manufacture—that Patent Bridled Brush for Painters.

With so many little things to look after in your business you forgot it entirely—it's natural.

You remember what the strong points of the Brush are? The Bridle is flexible and liquid-proof—easy to put on and take off—saves a painter a great deal of time and enables him to do better work. As you forgot to order, won't you send for our illustrated book that tells all about

Boeckhs'

Bridled Brush for Painters?

Boeckh Bros. & Company, Mfrs.
Toronto, Ont.

Montreal Branch—1 and 3 De Bresoles St.

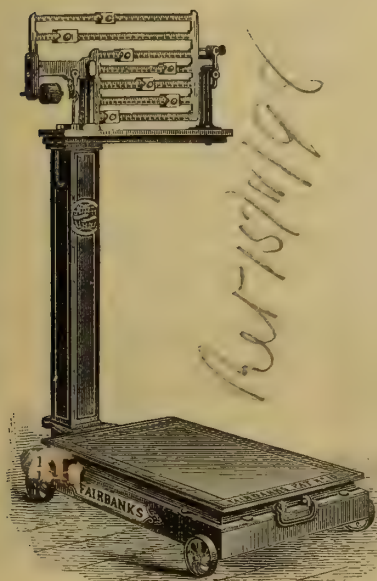
The Fairbanks Company

749 Craig Street **MONTREAL**

Low-Priced Scales.

We told you we had them two weeks ago.
Our circular will tell you more.
A trial order will convince you that they are what you are looking for.
Meantime, we go right on selling the old reliable

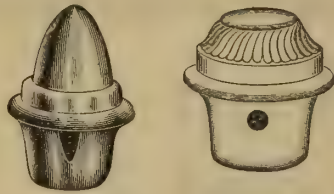
FAIRBANKS STANDARD SCALES.



Repairs

—Our Repair Shop will RENEW your old Scales
—if they are worth it. If not, we will tell you so.

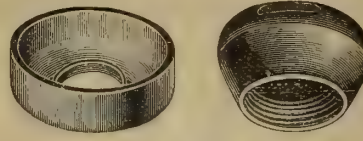
—ARE YOU getting a share of the Chatillon Spring
—Balance trade? Your butchers will buy them if
—you give them a chance.



Stove Trimmings

In BRASS, NICKEL
and BRONZE.

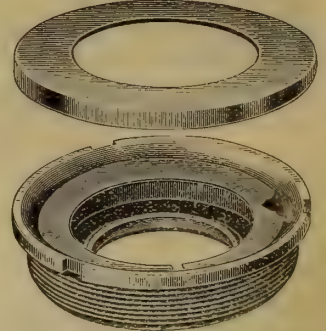
All orders promptly and carefully
executed.



Sheet Steel Bicycle Fittings

OF ALL
DESCRIPTIONS.

Estimates furnished from Blue Prints,
Drawings or Samples.



CATALOGUES FURNISHED ON APPLICATION.

The H. A. MATTHEWS MFG. CO., SEYMOUR, CONN.

CURRENT MARKET QUOTATIONS.

October 23 1896

These prices are for such quantities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—		
56 and 28 lb. ingots, per lb.	0 00	0 21
Straits	0 00	0 20

Tin Plates.

Charcoal Plates—Bright.

M.F.S., equal to Bradley.	Per box.	
I.C., usual sizes	\$5 00	
I.X., "	6 25	
I.X.X., "	7 50	

J. R. & Co.—		
I.C.	4 75	5 00
I.X.	6 00	6 25
I.X.X.	7 25	7 50

Famous—		
I.C.	5 00	
I.X.	6 25	
I.X.X.	7 50	

Raven & Vulture Grades—		
I.C., usual sizes	3 50	
I.X., "	4 25	
I.X.X., "	5 00	
I.X.X., "	5 75	
D.C., 12"x17	3 00	
D.X.	3 75	
D.X.X.	5 75	

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Beesemer Steel—		
I.C., usual sizes	3 00	
I.C., special sizes, base.	3 15	
20x28.	6 00	6 25

Charcoal Plates—Terne.

Dan or J. G. Grade—		
I.C., 20x28, 112 sheets	6 00	
I.X., Terne Tin	7 50	
I.C., Orion	6 00	
I.X., Orion	7 25	7 50

Charcoal Tin Boiler Plates.

Cookley Grade—	Per lb.	
X X, 14x56, 50 sheet bxs	0 05½	0 06
14x60		
14x65.		

Tinned Sheets.

72x30 up to 24 gauge.	0 05½	0 06
26	0 06½	0 06½
28	0 07	0 07½

Iron and Steel.

Common Bar, per 100 lbs	Base Price	
" from factory	1 45	
Refined	1 35	
Horse Shoe	1 60	
Band	1 65	
Hoop	1 75	
Swedish	2 00	
Sleigh Shoe Steel	4 00	4 25
Tire Steel	1 75	1 75
Machinery	1 85	1 95
Cast Steel, per lb.	0 10	0 14
Thos. Firth & Sons' Cast Steel	0 12	0 12
Russian Sheet, per lb.	0 10½	0 11
Tank Plates, 1-5 and thicker.	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½-inch.	0 06½	
2	0 07½	
2½	0 09½	
"	0 11	

Steel Boiler Plate.

3-16 inch	2 00	
"	1 90	

¾ inch and thicker. 1 75

Sheet Iron.

16 gauge and heavier.	2 50	2 70
18 to 20 gauge	2 25	2 50
22 to 24	2 30	2 40
26	2 10	2 50
28	2 50	2 60

Canada Plates.

All dull, 52 sheets	2 25	
Half polished	2 35	
All bright.	2 85	3 00

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ¾ inch, \$2.25 to \$2.31; ½ inch, \$2.2 to \$2.31; ¾ inch, \$2.65 to \$2.71; 1 inch, \$3.75 to \$3.81; 1½ inch, \$4.95 to \$4.90; 2 inch, \$5.45 to \$5.51; 2½ inch, \$8.71 to \$8.81.

Galvanized, ¾ inch, \$3.20; ½ inch, \$3.55 to \$3.61; ¾ inch, \$4.90 to \$4.95; 1 inch, \$5.01; 1¼ inch, \$8.25; 1½ inch, \$10.50; 2 inch, \$14.25. Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p. c.

Galvanized Iron.

	Gordon	Queen's
	Comet.	Crown.
16 gauge.	3 75	3 75
18 to 24 gauge.	3 25	3 75
26	3 50	4 01
28	3 75	4 25

Chain.

Proof Coil, 3-16 in., per 100 lbs	25	
" ¼ "	4 65	
" 5-16 "	3 75	
" ¾ "	3 25	
" 7-16 "	2 85	
" 1 "	2 75	
" 5/8 "	2 75	
" 3/4 "	2 63	
Trace, per doz. pairs.	3 60	5 90
Jack chain, iron, single, per doz. yards.	0 13	0 50
Jack chain, double, per doz. yards.	0 15	
Jack chain, brass, single, per doz. yards.	20	10

Copper.

Ingot.		
English B. S., ton lots	0 13	0 13½
Lake Superior		
Bolt or Bar.		
Cut lengths, round, ½ to ¾ in. round and square 1 to 2 inches.	0 19½	0 20

NOTE.—Complete, lengths about 15 feet from 18½ to 19 cents a pound.

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 16	0 17
Untinned, 14 oz., and light, 16 oz., irregular sizes.	0 16	0 17½

NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.

Planished and tinned, 14x48 and 14x60	0 25	0 27
Braziers. (In sheets.)		
4x6 ft. 25 to 30 lbs. ea., per lb.	0 17½	
" 35 to 45 "	0 17	
" 50-lb. and above, "	0 16½	

Boiler and T. K. Pitts.

Plain Tinned, per lb.	0 21	
Spun, per lb.	0 25	

Wire.

Pure, in coils—		
From 1 to 20 gauge, 12½ p. c. off list.		
From 20 gauge up, 12½ p. c. off list		

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 27½ p. c. off list.		
Sheet, hard-rolled, 2x4	18	0 20
Tubing, base, per lb.	0 21	0 22

Zinc Spelter. Foreign, per lb. 0 04 0 05½ Domestic " 0 04½ 0 05

Zinc Sheet.

5 cwt. casks	0 07	
Part casks	0 07½	

Lead.

Imported Pig, per lb.	4 00	
Domestic, per lb.	0 03½	
Bar, 1 lb.	0 05	
Sheets, 2½ lbs. sq. ft., by roll.	0 05½	0 06
Sheets, 3 to 6 lbs., per sq. ft., by roll.	0 05	0 05½

NOTE.—Cut sheets ½ cent per lb. extra. Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 25 per cent. discount.

NOTE.—Cut lengths, net price, waste pipe. in 8-ft. lengths, lists at 7½ cents.

Solder.

Bar half-and-half	Per lb.	Per lb.
Standard	0 13	
Wire	0 12½	

NOTE.—Prices of this graded according to quantity. The prices of other qualities or solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb.	0 10½	0 11
Other makes, per lb.	0 09	0 09½

White Lead.

Pure, Assoc. guarantee, ground in oil,	Per cwt.	
25 lb. irons	5 75	
No. 1 do	5 17½	
No. 2 do	5 00	
No. 3 do	4 62½	
No. 4 do	4 25	

Munro's Select Flake White.	6 00	
Elephant and Decorators' Pure.	5 75	
Brandram's B. B. Genuine.	7 75	
" No. 1.	7 00	
James genuine.	6 95	
" No. 1.	6 45	

White Zinc Paint.

Elephant Snow White.	0 07	
Pure White Zinc.	0 07	
No. 1.	0 06½	
No. 2.	0 05½	

Dry White Lead.

Pure, casks.	0 04½	
Pure, kegs	0 04½	
No. 1, casks.	0 04½	
No. 1, kegs.	0 04½	

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)		
Pure, per gallon.	1 00	
Second qualities, per gallon.	0 90	
Barn (in bbls.)	0 70	
The Sherwin-Williams Paints	1 20	
Canada Paint Co's Pure	1 00	1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)		
Venetian Red, per lb.	0 07	
Chrome Yellow	0 11	
Golden Ochre	0 06	
French	0 05	
Marine Black	0 09	
" Green.	0 09	
Chrome	0 08	
French Imperial Green	0 19	

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt.	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt.	2 75	
Yellow Ochre (Royal), per cwt.	1 10	1 15
Brussels Ochre	2 00	
Venetian Red (best), per cwt.	1 80	1 90
English Oxides, per cwt.	3 00	3 25
American Oxides, per cwt.	1 75	1 90
Canadian Oxides, per cwt.	1 75	1 90

Burnt Sienna, pure, per lb. 0 10 " Umber, " 0 10

do. aw	0 09	
Drop Black, pure	0 09	
Chrome Yellows, pure	0 18	
Chrome Greens, pure, per lb.	0 12	
Golden Ochre	0 03½	
Ultra marine Blue in 28-lb. boxes, per lb.	0 08	0 24
Fire Proof Mineral, per 100 lb.	1 00	
Genuine Eng. Litharge, per lb	0 07	
Mortar Color, per 100 lb.	1 25	
James' Gen. Red Lead, 100 lb	0 04½	
Pure Indian Red, No. 45, lb.	0 08	
Whiting, per 100 lb.	0 50	

Paris Green.

Pure, in bbls.	0 16½	
250 lb. casks.	16½	
50 lb. drums	17	
1 lb. packages	18	
¾ lb. "	19½	
¼ lb. "	21½	
1-lb. tins.	0 18½	

Sulphate of Copper.

Casks, for spraying, per lb.	0 04½	
100-lb. cases, do. per lb.		

Putty.

Bladders in bbls.	1 80	
Bladders in 100 or 200 lb. kegs or bxs	1 95	
Bulk in bbls., per 100	1 65	
Bulk in less quantities.	1 80	
25-lb. tins, 4 in c. se.	2 65	
12½-lb. tins, 8 in case.	2 30	

Quotations f.o.b. Toronto—1½c. per 100 lbs. extra Hamilton, London Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In bbls.)	per gal	
Carriage, No. 1	1 50	
Extra do.	2 50	
Body Varnish	4 50	
Furniture Varnish.	0 65	
Extra do.	0 90	
Orange Shellac Varnish.	1 60	
Hard Oil Finish.	1 40	
White Shellac.	2 20	
Rubbing Varnish.	2 50	
Polishing Varnish.	2 50	

Linseed Oil.

Raw, per gal. net.	0 48	
Boiled, per gal. net.	0 51	
Outside points lc. more than above figures		

Turpentine.

1 to 4 barrels, net.	0 55	
Outside points lc. more		

Castor Oil.

In cases, per lb.	0 10½	
Small lots.	0 11½	

Cod Oil, Etc.

Cod Oil, per gal.	0 50	0 55
White, extra	1 20	
" Neatsfoot.	90	

Glue.

(In bbls.)		
Common	0 08½	0 09
French Medal.	0 12	0 12½
Cabinet, sheet.	0 12	
White, extra	0 18	
Gelatine	0 22	0 30
Strip	0 16	0 18
Coopers	0 19	0 20
Al clear.	0 09	

Liquid Glue—F. LePage's, discount 20 to 25 per cent off list; Munn's, discount 25 to 30 per cent. off list.

HARDWARE.

Ammunition.

Cartridges.		
B. B. Caps, Dom., 50 and 5 per cent.		
Rim Fire Pistol, dia. 45 p. c., Amer.		
Rim Fire Cartridges, Dom., 50 and 5 p. c.		
Rim Fire, Military, net list, Amer.		
Central Fire Pistol and Rifle, 18 p. Amer.		

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
 Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
 Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
 Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
 Shot.
 Canadian, common, 7½ per cent.
 Brass Shot Shells, 55 and 10 per cent
 Primers, Dom., 30 per cent.
 Wads.

Best thick white felt wadding, in ½-lb bags, 1 00
 Best thick brown or grey felt wads, in ½ lb. bags, 0 70
 Best thick white card wads, in boxes of 500 each, 12 and smaller gauges 0 99
 Best thick white card wads, in boxes of 500 each, 10 gauge, 0 35
 Best thick white card wads, in boxes of 500 each, 8 gauge, 0 50
 Thin card wads, in boxes of 1,000 each, 12 and smaller gauges, 0 20
 Thin card wads, in boxes of 1,000 each, 10 gauge, 0 25
 Thin card wads in boxes of 1,000 each 8 gauge, 0 25
 Chemically prepared black edge grey cloth wads, in boxes of 250 each—
 11 and smaller gauge, 0 60
 9 and 10 gauges, 0 70
 7 and 8 gauges, 0 90
 5 and 6 gauges, 1 10
 Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
 11 and smaller gauge, 1 15
 9 and 10 gauges, 1 40
 7 and 8 gauges, 1 65
 5 and 6 gauges, 1 90

Anvils.
 Per lb. 0 10 0 12½
 Anvil and Vice combined, each, 4 50
 Wilkinson & Co.'s Anvils, lb. 09 0 09½
 Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
 Gilmour's, discount 65 p.c. off revised list.
 Hollow Stearn's, per dozen, 13 00 20 00
 Adjustable Stearn's, each, 4 50 6 50
 Post-hole, Vaughan's, each, 60 90
 Excelsior, Jennings', discount 50 per cent.

Awls.
 Sewing, per gross, 0 65 1 59
 Pegging, " 0 65 1 25
 Brad, " 0 85 1 60
 " handled, per gross, 3 60 30
 Saddler's, per gross, 0 45 1 60

Awl Hafts.
 Patent Peg, per gross, 7 25 8 00
 " Sewing, per gross, " " "

Awl and Tool Sets.
 Millar's Falls, per doz., 2 80 3 30

AXES.
 Splitting Axes, 5 25 5 50
 Chopping Axes—
 Single List, per doz., 6 00 12 00
 Double List, " 11 00 18 00
 Bench Axes, 40 and 10 p.c.

Axle Grease.
 Per gross, 6 00 13 00

Bath Tubs.
 Zinc, discount, 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list
 Boring extra

Anti-Friction Metal.
 "Tandem" A, per lb., 0 19
 " B, " 0 16
 " C, " 0 10½
 " Monarch " 1, " 0 21
 " 2, " 0 15
 " 3, " 0 10
 " Canadian " 0 08½
 Magnolia Anti-Friction Metal, per lb., 0 25
 No Name Metal, " 0 15
 Mystic Metal, " 0 10
 F. O. B. New York or Chicago.

Bells.
 Hand.
 Brass, 60 per cent.
 Nickel, 55 per cent.

Door.
 Gongs Sargent's, 5 50 8 00
 " Peterboro', discount 50 per cent.

Cow.
 American make, discount 66½ per cent.
 Canadian, discount 45 and 50 per cent.

Farm.
 American, each, 1 25 3 00
 American, per, 0 35 0 40

Bellows.
 Hand, per doz., 3 35 4 75
 Moulders, per doz., 7 50 10 00
 Blacksmiths', discount 60 per cent.

Belting.
 Extra, 50 per cent.
 Standard, 50 and 10 to 50, 10 and 5 per cent.
 Agricultural, 60 and 10 p.c.

Bench Stops.
 Per doz., 5 00 6 00

Bits.
 Auger.
 Gilmour's, discount 65 and 5 per cent.
 Excelsior, discount 60 per cent.
 Rockford Common, 70 to 70 and 10 per cent.
 " Perfection, 55 and 10 per cent.
 Jennings' Gen., net list to 5 p.c. discount.
 Car.

Gilmour's, 47½ to 50 per cent.

Expansive.
 Clark's 40 per cent.
 Excelsior, 10 per cent.
 Gimlet.
 Clark's, per doz., 0 65 0 90
 Diamond, Shell, per doz., 1 00 1 50
 Nail and Spike per gross, 2 25 5 20

Blind Rollers.
 Annex, per doz., 1 25 1 75
 Mascott, " 1 35 1 85
 Erminie, " 1 00 0 00

Blind and Bed Staples.
 All sizes, per lb., 7½ 0 12

Bolts.
 Carriage, dis. 60 and 10 to 70 p.c.
 Tire, dis. 70 and 5 per cent.
 Stove dis. 70 per cent.
 Elevator, dis. 45 to 40 per cent
 Machine, dis. 70 p.c.
 Coach Screws, dis. 70 and 10 p.c.
 Plough bolts, 60 p.c.

Boring Machines.
 Complete, with augers, each., 5 00 7 50

Braces.
 Barber's, 6 00 7 75
 Barber's Ratchet, 10 00 11 00
 Farmers, 2 00 2 75
 Millar's Falls, 15 50 29 00

Brackets.
 Shelf.
 Japanned Canadian, per doz., 0 50 3 40
 Berlin Bronze Canadian, 0 85 3 20

Broilers.
 Light, dis. 65 to 67½ per cent.
 Reversible, dis. 65 to 67½ per cent.
 Vegetable, per doz., dis. 37½ per cent.
 Henis, No. 8, 6 00
 Henis, No. 9, 7 00
 Queen City, 7 50 0 00

Butchers' Cleavers.
 German, per doz., 8 00 11 00
 American, per doz., 12 00 20 00

Butts.
 Brass.
 Wrought Brass, dis., 17½ p.c. revised list.
 Cast Iron.

Loose Pin, dis. 70 per cent.
 Wrought Steel.

Fast Joint, dis. 70, 10 and 5 to 75 p.c.
 Loose Pins, dis. 70, 10 and 5 to 75 p.c.
 Berlin Bronzed, dis. 70, 70 and 5 per cent.
 Gen. Bronzed, per pair, 0 40 0 65

Can Openers.
 Acme, per gross, 9 00 10 00
 Sardine Scissors, per doz., 3 75 4 50

Card.
 Horse, per doz., 0 60 1 00

Carpet Stretchers.
 American, per doz., 1 00 1 50
 Bullards, per doz., 6 50

Carpet Sweepers.
 Bissell, per doz., 22 50
 World, " 21 75
 Daisy, " 24 00
 Star, " 18 00
 Crown Jewel, per doz., 29 00
 Grand Rapids, " 24 00 33 00

Cartridges.
 (See Ammunition.)

Castors.
 Bed new list, dis. 55 to 57½ per cent.
 Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
 Nos 31 and 32, per gross, 8 50 50

Cement.
 Canadian, Portland, 2 50
 English, 2 85
 Belgium, 2 75
 Canadian hydraulic, 1 20
 Figures are for barrel lots.

Chalk.
 Carpenters Colored, per gross, 0 45 0 75
 White lump, per cwt., 0 60 0 65
 Red, " 0 05 0 06
 Crayon, per gross, 0 14 0 18

Chisels.
 Socket, Framing and Firmer.
 American, dis. 75 per cent.
 Canadian, dis. 40 and 5 per cent.
 Tanged firmer, per doz., 0 85 4 00

Churns.
 Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.

Clamps.
 Judd's, dis. 20 per cent.
 Stearn's, per doz., 3 00 10 00

Clips.
 Axle dis. 65 per cent.

Closets.
 Washout, plain, 3 25
 " embossed, 3 50

Coffee Mills.
 Box, 3 60 13 00
 Side, 3 60 4 00
 Enterprise, No. 0, 1 35
 " No. 2, 70

Compasses, Dividers, Etc.
 American, dis. 62½ to 65 per cent

Cradles, Grain.
 Canadian, dis. 20 per cent.
Dies.
 Hart Mfg. Co. (pipe es), (Amer. list), dis 40 per cent.
 Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
 Torrey's Rod, per doz., (15 p.c.) 2 00
 Coil, per doz., 0 88 1 60
 English per doz., 2 00 4 00

Draw Knives.
 American, dis. 70 and 10 per cent.
 Canadian, dis. 25, 50 and 10 per cent.

Drills.
 Hand and Breast
 Millar Falls, per doz., 16 00 51 50
 P. S. & W., dis. 40 per cent.

DRILL BIT.
 Morse, dis. 37½ to 40 per cent.
 Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
 Stovepipe.
 Per doz., 85 1 70

FAWCETS.
 Cork Lined, per doz., 0 30 0 35
 Wine, per doz., 1 30 3 25
 Star, " 2 80 3 90
 Fenn's Corkstops, No. 2, per dozen, 1 70
 Petroleum, per doz., 4 50 6 50

FILES.
 Globe File Mfg. Co.'s dis. files, 60 and 10 to 70 per cent.
 Black Diamond, 50 and 10 to 60 per cent.
 Kearney & Foote, 60 and 10 per cent to 60, 10, 10.
 Nicholson File Co., 50 and 10 to 60 per cent.
 Jowitt's, English list, 25 to 27½ per cent.
 American, 60 to 60 and 5 per cent.
 Great Western, 60 and 10 per cent.
 Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.

FLUTING MACHINES.
 Each, 0 60 2 00

FORKS.
 Hay, manure, etc., dis. 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS
 Ice Cream.
 Gem from \$1.25 to \$7 net.
 White Mountain, 1 to 25 qt., 1 35 13 50
 Arctic, dis. 50 p.c.

FRUIT PRESSES.
 Henis, per doz., 3 25 3 50
 Shepard's Queen City, dis. 15 per cent.

FRY PANS.
 Acme, dis. 65 to 67½ per cent.

GAUGES.
 Marking, Mortise, Etc.
 Stanley's, dis. 50 to 55 per cent.

Wire Gauges.
 Winn's, Nos. 26 to 33, each, 1 65 2 40

GLASS.
 Window.
 Box Price.

Star.
 Double Diamond.
 Under 25, 1 80 3 40 5 25
 26 to 40, 1 95 3 70 5 75
 41 to 50, 4 10 6 50
 51 to 60, 4 40 7 75
 61 to 70, 4 70 8 50
 71 to 80, 5 10 9 50
 81 to 85, 5 70 10 50
 86 to 90, 6 70 12 75
 91 to 95, 14 50
 96 to 100, 16 50
 101 to 105, 18 50
 106 to 110, 22 50

GLUE POTS.
 Tinned, each, 0 30
 Enamelled each, 0 55

GRINDSTONE FIXTURES
 Per doz., 3 60 4 00

HALTERS.
 Rope, ¾ per gross, 8 25 8 50
 " ½ " 9 25 9 50
 " ¼ " 11 00 11 25
 Leather, 1 in., per doz., 3 87½ 4 00
 " 1½ in., " 5 15 5 25
 Web, — per doz., 1 87 2 40

HAMMERS.
 Nail
 Maydole's, dis. 5 to 10 per cent. Can., dis 25 to 27½ per cent.

Tack.
 Magnetic per doz., 1 10 1 20
 Canadian, per lb., 0 07½ 0 08½
 English and Can., per lb., 0 22 25

HANDLES.
 Axe, per doz., net, 1 50 2 60
 Store door, per doz., 1 00 1 50
 Chest, per doz. pairs, 0 40 2 50

Chisel.
 Firmer, per gross, 3 00 4 50
 Socket Firmer, per gross, 3 25 8 00
 Socket Framing, per gross, 3 75 5 00

Fork.
 C. & B., dis. 45 per cent. rev. list.

Hoe.
 C. & B., dis. 45 per cent. rev. list.

Saw.
 American, per doz., 1 00 1 25

Plane.
 American, per gross, 3 15
 Hammer and Hatchet.
 Canadian, 45 per cent.

Cross-Cut Saw.
 Canadian, per pair, 0 13½ 0 20

HANGERS.
 Door, 4 and 5 inch, per pair, 0 40 0 50
 Lanes, 62½ per cent.

HATCHETS.
 Canadian, dis. 40 to 42½ per cent

HINGES.
 Blind, Parker's, dis. 60 and 10 to 65 per cent
 " Shepard's Noiseless, dis. 60 per cent.
 " Buffalo, dis. 60 to 70 p.c.
 Light T and strap, 70 and 10 p.c.
 Heavy, per lb., 0 03½ 0 04½
 Screw hook and hinge, 6 to 12 in., per 100 lbs., 3 15
 14 in. up, per 100 lbs., 2 35
 Per doz. set
 Screw Eureka, 1 13 1 80
 Gate, Clark's, 1 50 2 20
 " Shepard's, dis. 50 to 60 per cent.
 Per gro. pair
 Spring, " 9 50
 " Shepard's Samson, 1 20

HOES.
 Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
 Planter, per doz., 4 00

HOOKS.
 Cast Iron.
 Bird Cage, per doz., 0 50 1 10
 Clothes Line, per doz., 0 27 0 63
 Harness, per doz., 0 72 0 88
 Hat and Coat, per gross, 1 00 3 00
 Chandelier, per doz., 0 50 1 00

Wrought Iron.
 Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
 Hat and coat, dis. 60 to 60 and 10 p.c.
 Belt, per 1,000, 0 60 0 70
 Screw, bright, dis. 65 and 10 per cent

HORSE NAILS
 "P.B.", dis. 50 p.c.
 "C" brand, 50 p.c. dis. } Oval head.
 "M" brand 50 p.c.
 Acadian, 50 and 20 p.c., countersunk head.

HORSE SHOES.
 Iron Shoes. F.O.B. Montreal Toronto*
 Light, medium, and heavy, 3 15 3 25
 Snow shoes, 3 40 3 50
 Steel Shoes.

Light, all sizes, 3 35 3 45
 Extra light, 4 50 4 60
 Toe weight (steel), 5 50 5 60
 *Also Hamilton, London, Guelph, St. John Halifax.

ICE PICKS.
 Star, per doz., 3 00 3 25

KETTLES.
 Brass spun, 7½ p.c. dis. off new list.
 Copper, per lb., 0 30 35
 American, 60 and 10 to 65 and 5 p.c.

KEYS.
 Lock, Can., dis. 50 p.c.
 Cabinet, trunk, and padlock, Am. per gross, 1 60

KNOBES.
 Door, japanned and N.P., per doz., 0 90
 Bronze, Berlin, per doz., 2 75 3 25
 Bronze Genuine, " 6 00 9 00
 Shutter, porcelain, F. & L. screw per gross, 1 30 4 00

KNIVES.
 Clauss, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.
 Christie, bread, cake, and paring knives, \$7.00 doz. sets, with 10 p.c. off.
 Hay knives, spear point, L or T handle, 60 10 and 5 per cent.
 Lightning, per doz., 6 50 8 40
 Heath's, \$7.75 net.

LADLES.
 Melting, per doz., 1 70 4 50

LEMON SQUEEZERS.
 Porcelain lined, per doz., 2 20 5 60
 Galvanized, " 1 87 3 85
 King, wood, " 2 75 2 90

King, glass,	4 00	4 50
All glass,	1 20	1 30
LINES.		
Fish, per gross.....	1 05	2 50
Cnalk,	1 90	7 40
LOOKS.		
Canadian, dis. 50 p.c.		
Russell & Erwin, per doz....	1 75	7 50
Cabinet,		
Eagle, dis. 30 p.c.		
Padlock,		
English and Am., per doz....	50	6 00
Scandinavian,	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.		
Iron and Brass,		
Flat head, discount 25 p.c.		
Round Head, discount 20 p.c.		

MALLETS.		
Tinsmiths', per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.....	3 85	5 00
Caulking, each	1 60	2 00

MATTOCKS.		
Canadian, per doz.....	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.		
American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.		
American, per doz.....	0 42	2 35

MOLASSES GATES.		
Stebbin's Patent, dis. pre cent., 77½ per cent.		

QUOTATIONS ARE:		
24. and 34d.....	\$2 75	\$2 75
3d.....	2 40	2 41
4 and 5d.....	2 15	2 15
6 and 7d.....	2 05	2 05
8 and 9d.....	1 90	1 90
10 and 12d.....	1 85	1 85
16 and 20d.....	1 80	1 80
30, 40, 50 and 60d. (base)....	1 75	1 75

Steel Cut Nails 10c. extra.		
Brads and finishing nails, special sizes, 80 p.c. from new list.		

NAIL PULLERS.		
German and American.....	1 85	3 50

NAIL SETS.		
Square, round, and octagon, per gross.....	3 38	4 00
Diamond.....	12 00	15 00

NETTING.		
Poultry, 67½ per cent. for imported, 55 per cent. for McMullen's.		

OIL.		
Canada refined oil (Toronto)....	0 14	
Carbon safety ".....	0 16½	
American w. w. ".....	0 17½	
Pratt's Astral.....	0 17	

OILERS.		
McClary's Model galvan. oil can, with pump, 5 gal., per doz.....	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.....	1 25	3 50
Brass,	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.		
Galvanized, per doz.....	1 85	3 00

PENCILS.		
Dixon's, per gross.....	1 00	4 25
Carpenter.....	2 25	3 60

PICKS.		
Per doz.....	6 00	9 00

PICTURE NAILS.		
Porcelain head, per gross....	1 40	3 00
Brass head,	0 40	1 00

PIPE CUTTING MACHINERY		
Forbes Patent Die Stocks.—Curtis & Curtis, Mfrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to 2 in. R. & L.....	\$ 50 00	
No. 38 Hand Machine, range 1½ to 4.....	100 00	
No. 55 Hand Machine, range 2½ to 6.....	175 00	

PLANES.		
Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.....		
Wood, fancy Canadian or American, 37½ to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.		
Miscellaneous, dis. 25 to 37½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.		
English, per doz.....	2 00	5 00

PLIERS AND NIPPERS.		
Button's Genuine, per doz pairs, dis. 37½ 40 p.c.		
Button's Imitation, per doz....	5 00	9 00
German, per doz.....	0 60	2 60

PLUMBS AND LEVELS.		
S. R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		

POPPERS.		
Corn, square, per doz.....	1 35	2 00

PRUNING SHEARS.		
Per doz.....	4 00	5 50

PULLEYS.		
Hothouse, per doz.....	0 55	1 00
Axle.....	0 22	0 33
Screw.....	0 27	1 00
Awning.....	0 35	2 50

PUMPS.		
Canadian cistern.....	1 40	2 25
Canadian pitcher spout.....	1 15	2 00

PUNCHES.		
Saddlers', per doz.....	1 00	1 85
Conductors',	9 00	15 00
Tinners' solid, per set.....	0 00	0 72
" hollow, per inch.....	0 00	1 00

RAIL.		
Barn door, per foot.....	0 02½	0 02½
Sliding door,	0 03½	0 03½
Lanes,		0 03½

RAKES.		
Cast steel and malleable Canadian, list dis. 60 to 60, 10 and 5 p.c. revised list.		
Wood, 25 per cent.		

RASP AND HORSE RASPS.		
New Nicholson horse rasp, discount 60 p.c.		
Globe File Co.'s rasps, 6 and 10 to 70 p.c.		
Toronto File Co.'s rasps, 6 and 10 to 70 p.c.		
Heller's Horse rasps, 51 to 50 and 5 p.c.		

RAZORS.		
Geo. Butler & Co.'s, per doz.....	8 00	18 00
Boker's,	7 50	11 00
Wade & Butcher's,	3 60	10 00
Arbenz's,	9 00	18 00
Theile & Quack's,	7 00	12 00

RAZOR STROPS.		
Currier's, per doz.....	1 25	3 60

RIVETS AND BURRS.		
Carriage, Section, Wagon Box Rivets, etc., (Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc., (Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and p.c.		
Copper Rivets & Burrs, 45 p.c. dis. in ½-lb. boxes and cartoons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.		
Canadian, dis. 35 to 37½ per cent.		

ROPE, ETC.		
7-16 in. and larger, per lb. 10½	Sisal	Manilla
¾ in.....	11	12
¼ and 5-16 in.....	11½	13
Cotton.....	13	13
Russia Deep Sea.....	14½	14½
Jute.....	6¾	7½
Lath Yarn.....	8½	9
New Zealand Rope.....	9½	

RULES.		
Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.		
Mrs. Potts, per set.....	0 62½	1 00
N.P., per set.....		90

SAD HEATERS.		
Dome, Shepard's, per doz.....	4 75	5 00

SAND AND EMERY PAPER.		
Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.		

SASH CORD.		
Per lb.....	0 20	0 50

SASH LOCKS.		
Triumph and Morris, dis. 37½, 40 per cent.		
Kempshall's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.		
Sectional, per 100 lbs.....	1 40	1 75
Solid,		1 25

SAWS.		
Crosscut, McMillan & Haynes, per dozen.....	0 40	0 70
"Empire," McMillan & Haynes, per ft.....		0 70
Hand, Diston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Diston's, per ft.....	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.....	0 75	2 75
" frame only.....		0 75

SAW SETS.		
"Lincoln," McMillan & Haynes, per doz.....	6 00	7 50
Whiting.....	5 63	7 00

SCALES.		
Gurney Scales, 50 p.c.		
B. S. & M. Scales, 50 p.c.		
Champion, 80 per cent.		
Fairbanks Standard, 45 p.c.		
Dominion, 61 p.c.		
Richelieu, 60 p.c.		
Chatillon Spring Balances 25 p.c.		

SCRAPERS.		
Box, per doz.....	2 10	4 50
Boot,	0 40	3 50

SCREENS.		
Door, patent, per doz.....	6 50	11 00
Window, per doz.....	2 00	2 75

SCREW DRIVERS.		
Sargent's, per doz.....	65	4 90

SCREWS.		
Wood, F. H., iron, and steel, dis. 87½ p.c.		
Wood, R. H., " dis. 80 p.c.		
" F. H., brass, dis. 82½ p.c.		
Wood, R. H., " dis. 75 p.c.		
Drive Screws, 87½ per cent.		
Hench, wood, per doz.....	3 25	4 00
iron,	4 25	5 75

SCYTHES.		
Discount, per doz. net.....	4 50	6 00

SCYTHE SNATHS.		
Canadian, dis. 50 p.c.		

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Canadian, dis. 50 p.c.		

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In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays 10 cents to any address on receipt of

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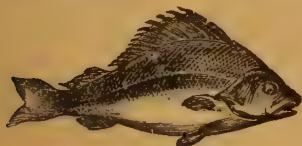
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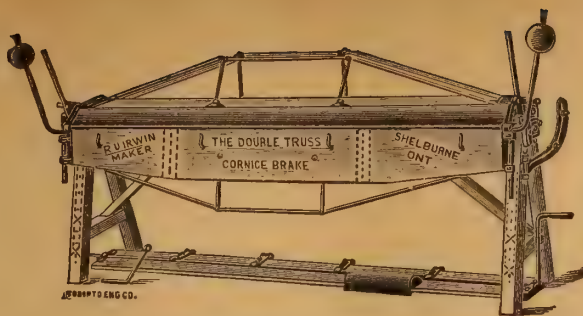
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THOS. C. IRVING, Superintendent



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, \$50

Very handy bender attachment, \$10 extra, if required.

Send for circulars and testimonials to

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It Leads Them All.

Where accurate weighing is required use

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FULL LINE OF

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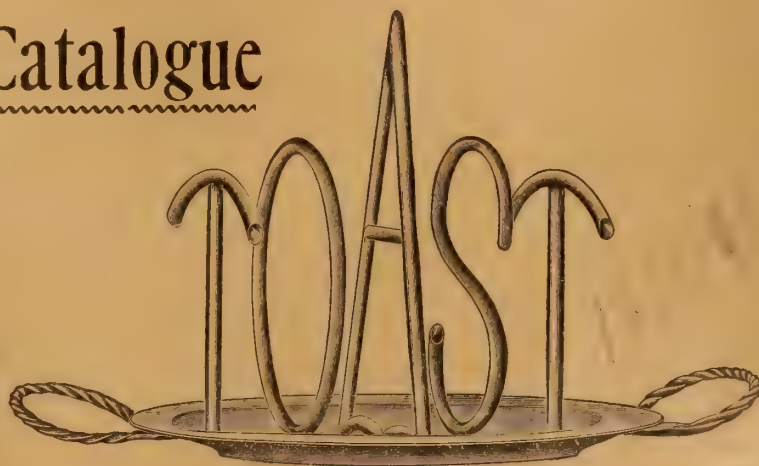
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The Toronto Silver Plate Co., Limited

Silversmiths and Manufacturers of Electro Silver Plate,

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Est. 1863

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Twelve

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Awarded
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Special Prize

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"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.
Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

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They may look alike

at first glance, but upon closer examination you'll find a great deal of difference between . . .

Robertson's Ready-mixed Paints

and the common every-day stuff sold as Pure Prepared Paint. Robertson's are Pure. They are mixed and ground by the latest and most improved machinery, and manufactured throughout by the newest and best methods known to paint chemistry. Their being so good makes them sell like hot cakes. Sell 'em once, you must sell 'em again. Your customers will refuse all other grades after once using ours.

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CANADIAN

HARDWARE

AND METAL
MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X.

MONTREAL AND TORONTO, NOVEMBER 5, 1898.

NO. 45



Magnolia Metal

Best Anti-Friction Metal for
all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamped
on the under side of
each bar.



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General Dominion Agents

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"Beauty is only
Skin-deep,"



CANADA

but the beauty of "Queen's Head" Iron
is far deeper than that, for it is due to the purity of the gal-
vanizing, and that is why it does not peel like so many other
brands when subjected to heat.

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BRISTOL and MONTREAL

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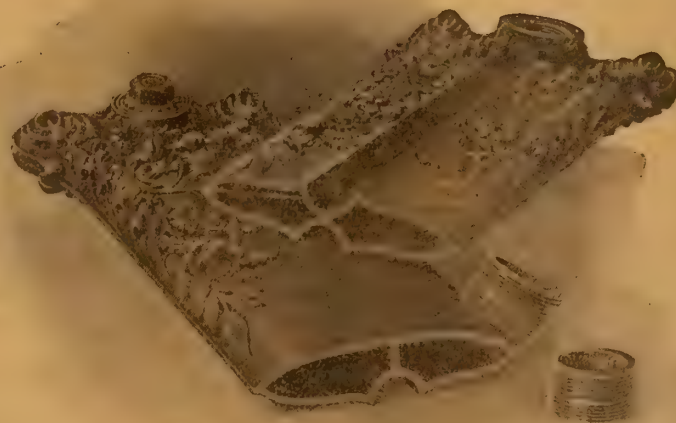
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Guaranteed to Stand 140 lbs.



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FINE BUILDERS' HARDWARE.

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Then send for our illustrated booklets that tell all about that "Bath-Room Help"

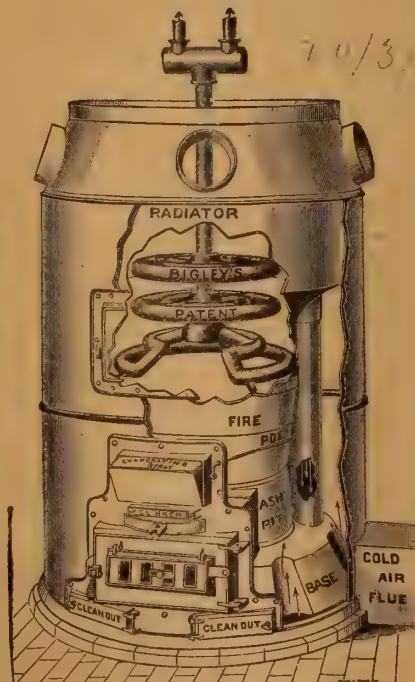
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"Duplex"
Bath**

The Toronto Steel-Clad Bath and Metal Co., Limited,
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"BIGLEY'S" PATENT WATER HEATING COILS

Made in
8 Sizes.



The accompanying cut shows how the heater is set in a hot air furnace. This heater does not lessen the heating power of the furnace, but adds over 50 per cent. to it, and makes a saving of 25 per cent. in fuel. This heater is simple in construction, strong and durable, and will fit in almost any kind of furnace or globe stove, and can be built in brick for greenhouse heating. They can be bought for less money than you could make a coil out of pipe.

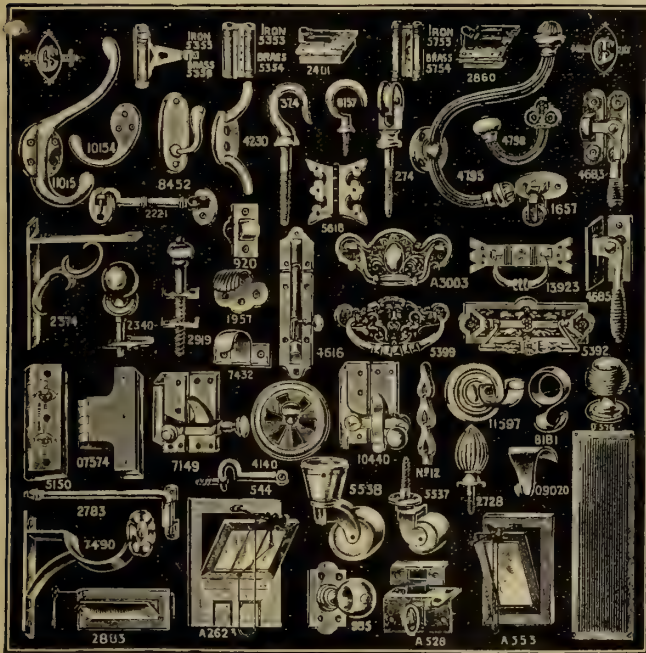
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James Cartland & Son

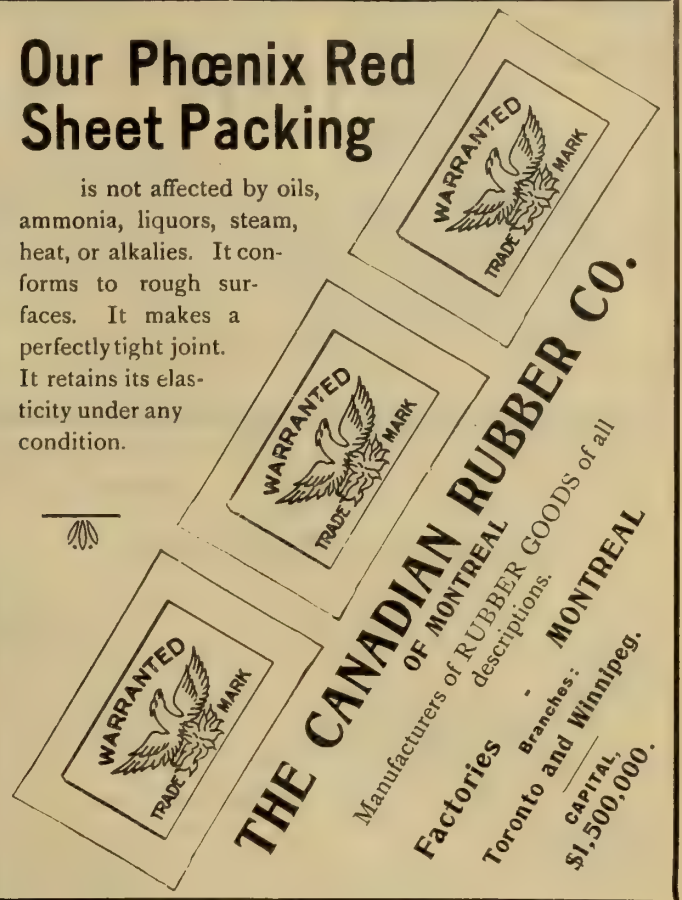
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Our Phoenix Red Sheet Packing

is not affected by oils, ammonia, liquors, steam, heat, or alkalis. It conforms to rough surfaces. It makes a perfectly tight joint. It retains its elasticity under any condition.



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SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

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CAVERHILL, LEARMONT & CO.	-	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	-	"
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LEWIS BROS. & CO.	-	-	-	"
SEYBOLD, SONS & CO.	-	-	-	"
RICE LEWIS & SON, Limited	-	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	-	LONDON
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North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.

ESTABLISHED
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MARK.

JOHN CROSSLAND

MANUFACTURER OF

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Pocket, Table and Butcher Knives.
Spear, Bowie, Daggers, Matchets and Hunting Knives.

These goods have a world-wide reputation for good quality and finish. Any infringers of our corporate mark will be promptly prosecuted.

APPLEBY & CO., - 501 Board of Trade, MONTREAL.

The sole agents for Canada, keep a full range of samples on view.

Established 1825.

Important decision relating to the

"HEINISCH"

trade name on Shears, Trimmers, etc. The U. S. Circuit Court, southern district of New York, Judge Townsend, has rendered a decision in the suit of R. Heinsch's Sons Co. vs. Hermann Boker & Co.:

"The complainant (R. Heinsch's Sons Co.) is entitled to an accounting and to an injunction restraining them from using the names 'Heinsch' or 'H. C. Heinsch' on its Shears, Labels, etc., and otherwise in any way which will interfere with complainant's enjoyment of the benefits of its trade name."

Referring to above decision we would respectfully state our determination to protect our rights in the premises, and warn all persons against any imitation of our trade name.

R. Heinsch's Sons Co.

Newark, N. J., U. S. A.

Genuine Heinsch Shears are sold by Caverhill, Learmont & Co., Montreal, Canada; M. & L. Samuel, Benjamin & Co., Toronto, Canada; Wood, Vallance & Co., Hamilton, Canada; J. H. Ashdown, Winnipeg; W. H. Thorn & Co., St. John, N.B.; H. S. Howland, Sons & Co., Toronto, and others.

Established 1825.

COLDBROOK IRON AND STEEL CO.

Limited

Manufacturers of
all kinds of

BAR IRON.

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GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

The fibre is long
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**BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE**

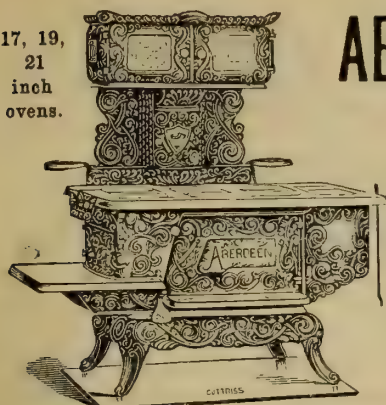
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The E. B. EDDY CO., Limited

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The paper stands
wear and tear

17, 19,
21
inch
ovens.



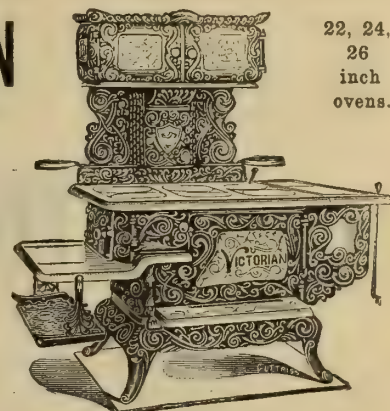
ABERDEEN, for Coal and Wood.

ABERDEEN AND VICTORIAN RANGES

These two modern, beautiful ranges give a complete line of goods for coal and for wood, and were constructed with special reference to the needs of Canadian trade. They have roomy fire boxes, capacious ventilated ovens, large fire doors, spacious hearths.

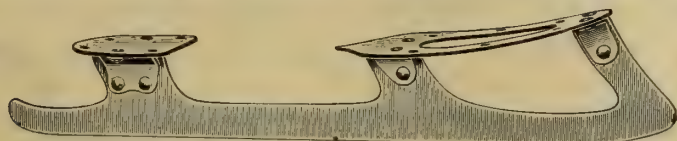
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Hamilton, Ont.

22, 24,
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VICTORIAN, for Wood.

The Celebrated "WINSLOW" Hockey Skate.



Our **HOCKEY SKATES** have been adopted by the Hockey Club of St. Nicholas Rink, New York City, and are conceded by experts to be **THE BEST**.
THE BRACKETS will not break. We warrant every pair.

The Samuel Winslow Skate Mfg. Co.

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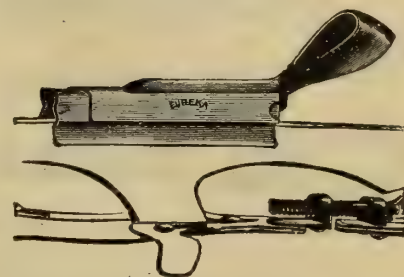
WORCESTER, MASS.

A full assortment adapted to Canadian trade carried by Caverhill,
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Skate Sharpeners.

BEST IN THE WORLD.

Will outlast any skate but the
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Tinplates...

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M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin

164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

AN ANNOUNCEMENT

The manufacturers of Enameline, the modern Stove Polish, inform the retail dealers of Canada that on and after September 1, 1898, they will manufacture Enameline in paste, cake and liquid.

Enameline

THE MODERN STOVE POLISH

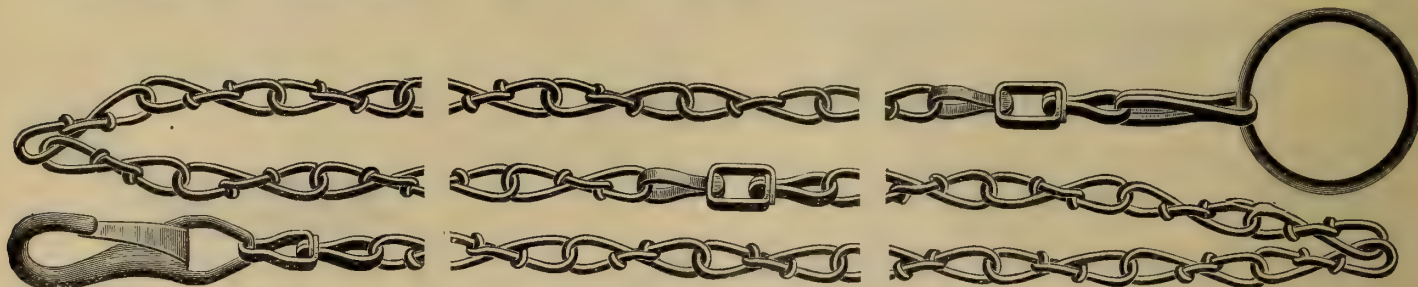
PASTE, CAKE OR LIQUID

We want ALL your stove polish trade. In our new "Enameline Cake" and "Enameline Liquid" we give the largest quantities, best quality and lowest prices ever offered. If you are doing business for profit it will pay you to handle our whole line.

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Oneida Steel Wire Tie-Out.

For tethering cattle in fenceless pastures.
Made in all sizes.



No Rivets. No Malleable Iron. ALL BESSEMER STEEL.

Made in 20, 30 and 50 ft. lengths.

ONEIDA COMMUNITY, Limited

NIAGARA FALLS, ONT.

John Bowman Hardware and Coal Co.

180 to 182
York Street

LONDON, ONT.

Headquarters for

SMOKELESS POWDERS

Blue Ribbon Hazard
Schultze Hard Grain
Gold Dust . . .

Also full line
New Guns
Sporting Goods
etc.

Large Stock, Prompt Shipment, Close Prices.

Kemp's Seamless Kitchen Sinks

PAINTED. GALVANIZED. ENAMELED.



THESE SINKS are pressed out of SINGLE SHEETS OF WROUGHT STEEL.

They have no Seams or Joints and are rounded at sides and corners. Consequently, no dirt can collect.

They are less porous than Cast Iron, and, therefore, odorless.

It is IMPOSSIBLE TO BREAK them.

Owing to their comparative lightness FREIGHT CHARGES are less than HALF THE PRICE of the Cast Iron article.

Kemp Manufacturing Company

TORONTO, CANADA.

HARDWARE AND METAL

Vol. X.

MONTREAL AND TORONTO, NOVEMBER 5, 1898

No. 45

President,
JOHN BAYNE MacLEAN, Montreal.
Treasurer,
HUGH C. MacLEAN, Toronto.

THE MacLEAN PUBLISHING CO.

Limited.

Publishers of Trade Newspapers which circulate in the Provinces of British Columbia, North-West Territories, Manitoba, Ontario, Quebec, Nova Scotia, New Brunswick, P.E. Island and Newfoundland.

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**WHEN WRITING ADVERTISERS.
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

METALS STILL ADVANCING.

THE metal markets, but especially tin and copper, continue to exhibit phenomenal strength. Inside the last three weeks or month the former metal has steadily advanced, and, as a result of continued strength, outside importers who tried to lay down supplies in Montreal this week were asked $\frac{1}{2}$ c. per lb. higher than the figure ruling a week ago, and now the inside for Lamb and Flag is $19\frac{1}{2}$ c. and for Straits $18\frac{1}{2}$ c., and in Toronto 21 and 20c. respectively.

Toward the close of last week, according to figures compiled by W. J. Russell & Co.,

66 Maiden Lane, New York, the quotation for spot tin in London showed some tendency to ease off, declining from £80 17s. 6d. to £80 10s. The easiness was only temporary, however, for on Friday recovery set in, the quotation going back to £82 6s. 3d., and, finally, to £83 11s. 6d. This is a rise in less than a week of £3 the ton, and since the advance first started of £9.

The New York market, also, which has been rather slow in responding to the rise in London, during the last week turned around and led the advance, standing at \$18.45 now for Straits, a jump of 60c. per 100 lb. in less than a week.

Copper has also developed a stronger upward tendency since last issue, not only maintaining the strength shown last week, but recording greater firmness.

A week ago, spot copper in London was quoted at £53 10s., and it has now advanced to £54 15s., a rise of £1 5s. per ton in this short interval. In the same time, lake ingots in New York have advanced $\frac{1}{4}$ c. per lb., from $12\frac{1}{2}$ to $12\frac{3}{4}$ c.

Lead and spelter, also, show a more distinct upward tendency. The former, which, the previous week, was inclined to easiness, has taken the opposite tack, advancing 6s. 3d. per ton in London during the past six days. Spelter, in the same period, has advanced from £23 10s. per ton to £24 5s. In New York, the price of both metals has ruled steady throughout.

He who does his best in business, or any other avocation, is smiled upon by the gods.

TROPICAL PRODUCTS IN CANADA.

WHILE Canada, in its stretch northward, does not stop until some distance after it has entered the Arctic circle, yet it is by no means the land of ice and snow that the ignorant in other lands sometimes appear to think. We are, from time to time, reminded of this.

Only a few days ago, the daily papers in Canada were chronicling the fact that a gentleman living in Toronto had succeeded in producing, in his own garden, cotton, sugar cane and peanuts.

But this is not the first time, at any rate, that peanuts have been grown in Canada, crops of this nut having previously been successfully raised near St. Catharines, Ont.

These are not, however, the only proofs of the fact that the Canadian climate has a little intermixture of that of the tropics.

In western Ontario, tobacco culture has, in a few years, become a staple industry, and to such an extent that an export outlet is necessary for the disposal of the surplus product.

Then, too, for a quarter of a century, figs have been successfully cultivated at Niagara-on-the-Lake.

Canada undoubtedly has some cold weather in the winter, but in the summer she also has a great deal of hot weather. As a writer in last month's issue of The Canadian Magazine shows by an extended table, Canada has climates which are as warm in summer as many parts of the south of France, and summers as long as in the central departments of that country, while in both duration and heat the summers in Ontario surpass those of Britain.

BLAST FURNACE FOR DESERONTO.

THE establishment of a blast furnace at Deseronto, Ont., now seems assured.

The furnace is already in course of construction, in fact, and it is expected that by the middle of December it will be in operation.

The capacity of the furnace will be 35 tons, although it is expected to be increased ultimately to 65 tons.

With this running, there will be two furnaces in operation in Ontario, and seven in the Dominion, there being already three in Nova Scotia, two in Quebec, and one in Ontario.

The Deseronto concern will turn out charcoal iron, which will, in turn, help the development of an industry which Ontario has long been in need of. Already, in fact, a large quantity of charcoal is being made for the purpose of supplying the necessary fuel.

The ore, for the time being, will be obtained from Lake Superior by water, and will cost about \$2.60 per ton delivered at the works. It is the intention, however, to eventually use the ores to be found north of Deseronto.

Under an Act passed in 1897, the Dominion Government gives a bounty on pig iron of \$3 per ton on the proportion produced from Canadian ore, and \$2 on the proportion produced from foreign ore. In addition to this, the Ontario Government gives a bonus of \$1 per ton on pig iron produced from ore mined in the Province, although the amount to be paid is not to exceed \$25,000 per year.

REVIVING OLD IRON WORKS.

According to the Woodstock, New Brunswick, Despatch, there is a possibility of the old Upper Woodstock Iron Works being put into operation, after having been closed down for many years.

Away back in 1864 these works produced about 2,750 tons of iron, and the number of men employed was 75. In addition to this, twelve teams with drivers were employed in hauling ore, while to cut the cordwood required the labor of about 150 men for 12 weeks, and the hauling of it furnished employment for 60 teams and drivers for the same length of time. In addition, a

number of teams were employed in hauling pig iron to Richmond for shipment.

The Woodstock charcoal iron had a wonderful reputation in its day. At the first provincial exhibition held at St. John in 1851 (which, by the way, was the same year the first World's Fair was held at the Crystal Palace in London) the report issued by the commissioners stated: "The samples of iron and steel from Woodstock seem to be of the very first quality; the iron has been bent and twisted when cold in every direction, but without showing the least injury to the fibre. It would be hard to devise a more complete proof of the quality of the article."

STEEL VS. BRICK CHIMNEYS.

IN a recent issue of Power, N. Y., an article is printed dealing with the comparative cost of steel and brick chimneys. In the erection of chimneys two objects are in view. One, to produce a sufficient draft to consume the necessary amount of fuel, and the other to carry the products of combustion so high that they will be thoroughly diluted before being brought low enough to breathe. A short chimney is a very unhygienic thing and should never be allowed near where people live or work.

One kind of stack, sometimes built, is a steel one with a very thin lining. The lining is, in fact, so thin that the expansion, contraction and sway of the stack cause it, the lining, to fall in a short time. A steel stack, with a lining strong enough to be durable, is expensive.

A chimney of similar height and size to the steel ones would cost about the same as the lighter steel one, but much less than a durable steel one, yet, if built with good brick and mortar, will sway very little in high winds and will last for generations.

Advocates of steel stacks claim there is a better draft owing to tightness in a steel structure, but, Power states, if you should calk all the joints so as to make this sure, it would add greatly to the expense. Until joints are calked, steel stacks will leak, unless the brick lining is tight. Where you have a middle core in a brick chimney, there may be some infiltration of air through the outside, but this will go up through the space between the outer and inner shells.

The inner shell should be laid up with lime mortar, and the outside should be a mixture of lime and cement, or all cement. Care should be used that the top is covered securely, so that the weather is kept entirely from the masonry. A lead cap, with joints burned together, makes a thoroughly tight cover. It is not every locality that has a competent lead burner, and in such cases a cast iron cap must be used. It should be bolted together with copper bolts, as wrought iron bolts will last but a few years. It is also a good idea to put in wrought iron rings at intervals, and these rings should always be put in top and bottom of flue opening and top of chimney.

BAR IRON AND STEEL HIGHER.

Makers in Montreal withdrew old quotations on bar iron and issued a new scale which calls for an advance of 5c. per 100 lb. all round, the inside figure for car lots f.o.b. Montreal now being \$1.40 per cwt.

This is the first rise in this material for a year or more, as the tendency of values at the opening of 1898 was downward. In fact, it has been a surprise to many in the trade that the price of bar iron was not marked up before this.

Makers this week said that it should have been, and that depleted stocks in hand, a rush of orders for fall delivery, and the increased cost of their raw material, made it impossible to go on doing business on the previous basis.

In bar steel, also, the same circumstances have led to a similar rise of 5c. per 100 lb., and both articles now rule firm on the new level.

LINSEED OIL DEARER.

The wholesale houses in Toronto, Hamilton, and London have this week advanced their prices on linseed oil 2c. per gallon.

Prices at these cities are now 50c. per gallon for raw and 51c. per gallon for boiled. At outside points the figures are 1c. per gallon more, delivered.

The advance is due to the near approach of the close of navigation and the general firmness of the outside markets.

CHARACTER AND THE STORE.

What the character of the business is will depend on what manner of man the merchant is.

If he is slovenly his stock, his window display, his store, will be the same.

UNUSUAL MANITOBA WEATHER.

IN the reports which are, from time to time, being published in regard to the damage to the wheat crop of Manitoba and the Territories, sufficient prominence has not been given to the peculiar conditions under which the damage was made possible.

In the first place, it should not be forgotten that the wet weather experienced this fall is extraordinary and not ordinary in that part of the Dominion.

As a rule, the autumn is dry in Manitoba and the Northwest Territories. And, taking the annual rainfalls, they are the lightest in the Dominion. Last year, the fall was 9.66 inches in Manitoba, and 11.84 in the Territories, while the range, during the past five years, was 9.66 to 16 inches in the former and 11.84 to 8.54 inches in the latter. In the other Provinces the range, during the past five years, was as follows: Ontario, 20.65 to 28.31 inches; Quebec, 22.39 to 28.09 inches; Nova Scotia, 29.31 to 42.46 inches; New Brunswick, 23.74 to 33.76 inches; Prince Edward Island, 28.65 to 33.63 inches; British Columbia, 35.07 to 50.58 inches.

It is evident, therefore, that it would be a mistake for anyone to obtain the impression that Manitoba and the Territories are wet countries. Besides the evidence of these figures there is the contributory evidence of the recent vote on the plebiscite.

Were the conditions of barns and labor the same as in Ontario the damage would have been insignificant. In Manitoba and the Provinces, the farmers have neither storehouses nor barns. They stack the wheat in the fields and from these stacks thresh the grain, while of labor a great deal has to be brought every harvest from the older portions of the Dominion. And this year labor was scarce, while the crop to be handled was the largest on record.

Unless these facts are borne in mind one is liable to run away with a wrong impression in regard to the humidity of Manitoba and the Territories.

CHRISTMAS GOODS TRADE FOR HARDWAREMEN.

It has always seemed to us that the retail hardwaremen do not reap from the Christmas holiday trade all the advantage they might.

A cursory glance into stores other than

hardware must convince anyone that many of them have lines in stock to catch the holiday trade that hardwaremen should have, but which many of them have not.

It is none too soon now for hardwaremen to begin to look round for ideas for the Christmas trade. And they need not inspect purely hardware stores alone, but a scrutiny of various stores where novelties, etc., suitable for the season can be found will be helpful.

These remarks are merely thrown out with a view to setting hardwaremen thinking along those lines who have perhaps not yet begun to do so.

DROPS FROM THE EDITOR'S PEN.

Pedigrees are not good things to pull people to prosperity by.

Employ good business methods, as well as keep good goods.

It is sometimes easier to trace a pedigree than to discover brains.

Persistency is the path which leads the progressive to prosperity.

It is not always necessary to court the cook in order to court trade.

Empty talk behind the counter helps keep the store empty of customers.

It is the lazy man who usually finds it the hardest to get to work early.

He who pulls against his employer is pulling against his own interests.

Enthusiasm gets up steam in business just as fire gets up steam in boilers.

He who does not display his goods in his window displays thereby his business incapacity.

Ambition runs away with some people; but time runs away with those who have no ambition.

There is no way to reach the goal of Success other than via the highway of Good Business Methods.

Merchants should not be satisfied by merely thinking their goods are all right; they should know they are.

AMONG TORONTO RETAILERS.

Display of Small Wares. I noticed a display in a King street store this week which may suggest good ideas to hardware dealers generally. It was simple but effective. On the floor of the window, which was covered with dark red cotton, were arranged in separate piles, quite a number of small articles, such as housekeepers are in need of at this time of the year. There were rulers, stair plates, can openers, corkscrews, hat and coat hooks, latches, picture wire, brackets, chisel-heads, and a number of similar articles. With each pile was a ticket noting the price asked for the goods. Thus, one passing could almost at a glance see the large variety of goods exhibited, and the small amount of cash necessary to get a supply of them.

In every hardware store there is variety enough of articles which could be sold at 5 or 10c., to make displays such as some of the leading fancy goods stores of Toronto are now doing. The plan is to fit a window up brightly and completely, showing as great a variety as possible, and have suspended, or stuck up in some prominent position, a card stating that any article displayed would be sold for 10 or 5 or 15c., as the case may be. This plan is a good one, and is being well worked in Toronto, and, as it has proved its attracting qualities here, merchants in other centres might do well to give it a trial.

THE RAMBLER.

THE BELGIAN GLASS TRADE.

The Belgian window glass market remains as strong as it has been since the beginning of the fall season, and production is at its height, being, according to The Moniteur Industrial, of Charleroi, about 28,000,000 feet per month.

As regards the plate glass situation, the paper quoted deplores the loss of the trade with the United States, formerly one of the most important buyers of Belgian plate glass.

This acknowledgment of defeat on the part of our former competitor in that line in the home market can be nothing but gratifying to the American plate glass manufacturers. The retreat of the Belgians from the American market shows that the American product is not only just as good, but probably better than the foreign article. It is more than able to make home consumption independent of the foreign product. Now, having conquered the home market, it would be a matter of the highest commercial patriotism on the part of our plate glass manufacturers to carry the fight into the dependencies of the enemy.—American Manufacturer.

SEASONABLE DISPLAYS.

HAVING at various times been connected with all of the different branches of the trade which the modern evolution of the tinsmith finds it necessary to carry on, I have a number of acquaintances in the business, and had the pleasure recently of meeting an old-time friend in New York. Not being busy, and desiring to enjoy as much of his company as possible, I asked him where he was going, supposing that he would give me a list of stove houses, tin plate houses, plumbing goods houses, steam and hot water houses, and housefurnishing goods houses, but was surprised to find that he did not intend to visit a single one, and had not. His sole object in visiting New York was to take a turn among the department stores to get a few ideas for seasonable displays of the various goods which he handles. I was much interested to see what would attract his attention. He told me that he had two large show windows, the entrance to his store being between the two. On reaching one of the department stores, we passed to the housefurnishing goods display, and stopped in front of a show of fire sets, firescreens, and other fireplace fixtures, when he remarked:

"I have many suitable goods in this line in my stock, and it will only be necessary for me to get one of those odd-shaped brass coal hods and fill it with coal, and one of those pretty wrought-iron wood racks and fill it with wood, to attract attention to my window. Then, I can show gas grates, feather dusters, fire shovels, pokers, tongs, fire screens and some old andirons that I have, with bellows, to make my window present an appearance that will warm up a passer-by on a chilly morning. By piling some wood on the andirons, and cutting up some red tinsel, I will have a reasonable imitation of a fire, and an attractive window, if I am careful in the grouping of the goods."

We passed on only to stop in front of a lot of galvanized iron ash cans, which I concluded were a rather unpoetical collection. He seemed to think, however, that a display of ash cans, ash sifters, heater scoops, furnace pokers, with a small axe, would suggest that you could cut your kindlings, shovel in the coal, rake out the ashes, sift them and carry out the waste, if such an array of these implements were conspicuously displayed at the time of the year when everybody is having need for them. The next stop was before a lot of roasting pans. He concluded that with a roaster in the middle and a good picture of a turkey or other poultry near at hand, with

scales for kitchen use, cooks' knives and such other cooking utensils as he could readily pick out from his stock, he ought to increase his trade in that line and form the nucleus for another display.

We were about to pass by the chafing dish display when he stopped again and remarked that oftentimes the little cooking done outside of the kitchen added very much to the relish of what was prepared, and that chafing dishes and alcohol stoves with milk boilers and waiters and other dainty appliances, including a Venetian wrought iron stand for supporting a small copper tea kettle heated by an alcohol flame, would need only a few cards bearing such suggestions as "A Hot Oyster Stew After the Skating," "Boil Your Chestnuts While You Are Getting Off Old Ones," "A Hot



Chocolate After a Cool Walk," and others of a similar kind which will suggest themselves as the window decorations were being selected, would make a display that would be attractive to a different class of customers.

I concluded that my friend was not altogether unsophisticated, and that he would probably find the expense of visiting New York a profitable investment and relate this pleasant experience of my own so that others may derive benefit. Just before we passed out of the door a very pretty wrought iron umbrella stand attracted his attention, and he concluded that, with the advent of the winter season, door mats and umbrella stands might also be useful for a proper display, if other articles of a similar nature were added.—By "Social" in Metal Worker.

TWO OF THE FINEST.

The accompanying illustration is reproduced from a photograph of the two-year old son of Mr. Walter H. Cottingham, the enthusiastic manager of The Sherwin-Williams Paint Co., Montreal. "Two of the finest produced in the land," is what Mr. Cottingham claims for the photo.

A DIAMOND SAW.

In the work of erecting the buildings for the Paris Exposition of 1900 the diamond saw is being used very extensively. This new circular saw, says an exchange, is the invention of Felix Fromholt, a Parisian engineer. The diamonds which form the cutting teeth of the saw are common crystals, worth about \$2.50 a carat, and they are fixed in a steel disk over six feet in diameter, which is mounted on a spindle and revolved by steam power like an ordinary circular saw. For sawing hard stones there are 200 diamonds in the cutting edge, and the speed is 300 turns a minute. It advances into the stone about one foot in that time. For soft stones the teeth are of steel, with diamonds at intervals of every five teeth, and at a speed of 12 turns a minute the saw advances about one yard in that time. The new saw has been at work in the work-shops of the Champs Elysees several months and has given great satisfaction. It cuts and dresses the stone on all sides and gives it sharp outlines. Moreover, it does so at one-eighth to one-tenth the cost of hand labor. A saw of this kind with an alternative movement, sawing stones four to six feet high, is to be set up.

RECORD ORE SHIPMENTS.

The ore shipments from the Rossland mines, for the week ending October 29, broke all records. The total was 4,415 tons; for the same week last year the shipments were 1,425 tons. The shipments during the past week were divided as follows: Le Roi, 3,475 tons; Iron Mask, 40; War Eagle, 900; total shipments from Rossland camp since January 1, 1898, 91,523 tons.

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

TOWNS IN MANITOBA AND THEIR MERCHANTS.

YOUR correspondent, according to arrangements with head office, has been absent from the city twelve days on a trip through the Province.

Before speaking of the individual towns visited, it will perhaps be of interest and value to your eastern subscribers, to give a little general sketch of the present state of the country. And first let me say that trade is fully six weeks later developing this fall than it was last. Last year fall wheat was a good price and the weather being perfect large quantities of grain were immediately threshed and marketed. This year the opening price of wheat was low and the weather quite unsuited for threshing. The result is that probably not more than one-quarter of the wheat in the Province is threshed. The balance is standing out in stack or stook. That the heavy rain has seriously injured the crop, there can be no longer any doubt. Harvest hands were scarce in many districts, and, in some cases, the help obtained was of an inefficient class. The consequence is that even where stacking has been done, too often the stacks are so badly built they are worse than if the grain had been left in the stook. The long immunity from fall rains has prevented many of our farmers from giving that attention to careful stacking which insures safety against wet weather. Judging from present indications the weather has now settled. Some grain threshed from stook during the past few days has been little injured and hopes are entertained that the damage will not be so widespread as at first anticipated. But even if the wheat dries and threshing takes place rapidly, it will still be some weeks before fall trade can begin to move freely. Many farmers, who this year can afford to do so, will no doubt hold their wheat, looking for better prices. The rapid rise of the market in the last few days has tended to encourage this feeling. The slow movement of fall trade has been a very serious loss to merchants at country points. The crop being reported so good, many of them laid in very heavy fall stocks, and it is to be feared that in some cases they will not be able to unload them.

NEEPAWA.

The first town visited was Neepawa (land of plenty) on the Manitoba Northwestern railway, about 120 miles northwest of Winnipeg. The town is situated in the district of Beautiful Plains, the western portion of the great wheat plain which crosses the centre of the Province. The whole district is beautiful, being high rolling prairie and the town site was evidently chosen with an eye to beauty and cheap municipal improvement. The soil is a rich sandy loam;

there is excellent drainage. The White Mud river, a small but beautifully clear stream, flows round two sides of the town, and a dam has been constructed across it which gives the inhabitants a beautiful lake of some 50 or 60 acres in extent, for boating purposes. Round this lake the council have constructed a fine driving road. Neepawa controls the trade from as fine a farming district as there is in the Province for a radius of 20 or 30 miles. The business men of the town are enterprising and public-spirited. Mayor J. A. Davidson, who, by the way, has been mayor ever since there was a town to be mayor of, owns large property, and has given both time and money to the public improvements of the town. This year, a fine stone and brick school was erected, at a cost of \$11,000, and the eager bids for the debentures was an indication of the financial standing of the town. Among other buildings erected this year is a handsome Church of England edifice and also a rectory. The annual fall fair was on when your correspondent visited the town, and, in spite of unfavorable weather, was a very fine exhibit of the progress of the district. The fair ground immediately adjoins the town, and the main building is a large, square, brick structure, well lighted and most conveniently arranged. The display

of dairy products was fine, and as for the vegetables they were astonishing. I wonder what our Ontario friends would think of radishes weighing ten pounds and a half and potatoes that weigh five pounds?

The town believes in the corporation controlling works for public benefit, and is now proceeding to instal both electric light and telephone service, to be controlled by the council. When the town has developed sufficiently to demand it, waterworks will be put in and also controlled by the town. One of the advantages enjoyed by Neepawa is the fact that it has a good roller process flour mill, with a capacity of 250 barrels per day. R. C. Ennis, the owner of the mill, has contributed not a little to the town's prosperity. A mill at their very doors has often meant 5 to 10c. per bushel more for the wheat, to the district. Most of the stores are general, or departmental, so far as groceries, boots, crockery, dry goods and clothing are concerned, but the hardware business is distinct.

B. R. Hamilton & Co. have the oldest hardware business in Neepawa. They occupy a handsome brick building, with plate glass front, and carry a very heavy stock of shelf and heavy hardware, bar iron, stoves, glass, paint, and, in fact, everything that goes with a general hard-

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Durability, Covering Capacity, and Beauty,

THE SHERWIN-WILLIAMS PAINTS

stand without a peer.

These are the qualities that go to make a good paint. They are all—every one of them embodied in S.-W. P.—the finished product of many years' experience.

The best dealers handle them, and the best painters use them, because they get the best results from them.

We want still more dealers.

Perhaps you have never given your paint department special attention. It's well worth it. We can help you improve it—help you make more money out of it. Write us.

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers

Walter H. Cottingham,
Managing Director,
Canadian Department.

CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON

ware business, and a few other things beside. They also handle bicycles. B. R. Hamilton, head of the firm, is extensively interested in mines, and a certain number of mining outfits are carried. They have a large trade in furnaces, and this year have put in the heating apparatus for the new school. Mr. Hamilton reports a great demand for furnaces among farmers who are putting up new and substantial residences. Mr. Hamilton is a firm believer in **HARDWARE AND METAL**.

Forrester & Co. is another large hardware house, carrying full lines of general hardware, but making a specialty of paints and glass. They have also done a good trade in furnaces, and run a large and profitable tinsmithing business in connection with their hardware trade. Though business was quiet at the time of your correspondent's visit, Mr. Forrester reported that the summer trade had been much above the average. Here, also, **HARDWARE AND METAL** is taken and appreciated.

McDougall's is yet another hardware house, very recently opened, but apparently satisfied with the prospects for future trade.

PORTAGE LA PRAIRIE.

Portage la Prairie has the distinction of being the oldest town in Manitoba, after Winnipeg. As its name indicates, a long portage had to be made here in navigating the tortuous Assiniboine. It is situated in a farming district, known far and wide as the Portage Plains. In this district you can ride for miles and miles through wheat fields that have no visible dividing line. Early frosts are unknown, and many large and comfortable farm houses are seen amid groves of trees that were planted by the first settlers, who moved into this district some 25 years ago. With so good a country to draw from, being only 65 miles west of Winnipeg, on the main line of the C.P.R., and having excellent railway facilities, it is not surprising that Portage la Prairie is a thriving town, with civic affairs on a sound financial basis. Before the C.P.R. ran through, there was considerable dispute as to where the depot would be, and this led to there being an east and west end. The depot was finally located at the east end, and for years there was a spirit of antagonism between the two sections of the town. Happily, now, this is all passing away, owing to the fact that natural enlargement and growth is rapidly filling up the gap between, and in a year or two none but old residents will know that there ever was anything to dispute about. The town is rather too flat to be easily drained, but is still much better off in that respect than Winnipeg. The soil is sandy loam, and there is none of that mud for which the capital of the Province is so infamous.

Portage has a good telephone and electric light service, one daily and two weekly papers, and is strictly up-to-date.

Ashdown's and Cadham's are the two largest hardware stores. Mr. Ashdown is a brother of J. H. Ashdown, Winnipeg. He carries a large stock of general hardware, does tinsmithing, sets up furnaces and the like. This year the firm are making a special branch of putting in acetylene gas plants, and are meeting with great success, the generators used giving every satisfaction.

Mr. Cadham also carries a heavy stock, and makes a speciality of the erection of furnaces. Mr. Cadham reports trade good indeed; in fact, business was so good he had no time lately to read **HARDWARE AND METAL**, though he always made a point of taking it. "In brief," he said, "we have always enjoyed all the trade we could possibly handle, and no one can want more." Like the merchants of Neepawa, those of Portage find an increasing demand for furnaces among the farmers.

The Wm. Cane & Sons Manufacturing Co., Limited, manufacturers woodenware, Newmarket, Ont., have been working 13 hours a day for some time, yet are so behind their orders that it has been decided to install another pail lathe. Another building will also be erected to increase their capacity.

NEW INVENTIONS.

Below will be found a list of new patents recently granted by Canadian and American Governments, the patents being secured through Marion & Marion, solicitors of patents, New York Life Building, Montreal, and reported by them for the benefit of our readers:

Canada.—Nos. 61444, Jas. W. Brethour and Geo. Watt, Winnipeg, Man., door fastener; 61448, L. E. Patenaude, Napierville, Que., boat propelling mechanism; 61514, Robt. Hetherington and Jas. G. Hunter, Winnipeg, Man., improvements in sash holders.

United States.—Nos. 610,300, Nap. Fournier, St. Germain de Grantham, Que., wheelbarrow; 610,518, E. Alfred Manny, Beauharnois, Que., canal locks; 611,447, W. J. Curry, Nanaimo, B.C., grater; 611,735, Geo. Heon, Ste. Anne du Sault, Que., whiffletree connection; 612,964, Elzear Dore, Laprairie, Que., cultivator; 612,974, Anthyme Lucas, Edmonston, N.B., rail spike lock, tie and guage protector.

MOLDING SHOP FOR FINE CASTINGS

The Paris Electro-Plating Co., of Paris Station, Ont., has built a new molding shop. It is 32 x 50 feet, and is now in running order. With this new shop the company will make a specialty of fine castings.

GILBERTSON'S

"COMET"

BRAND

and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

Patent Flattened Galvanized Steel Sheets

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS:

"Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . . 22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

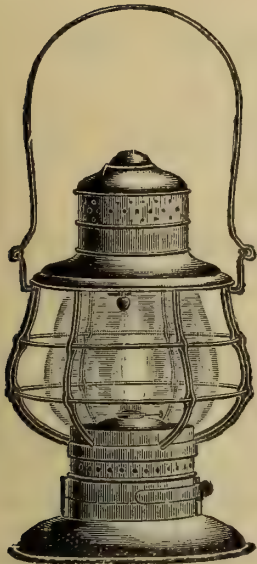
WHOLESALE
MERCHANTS

37-39 Front Street West

TORONTO

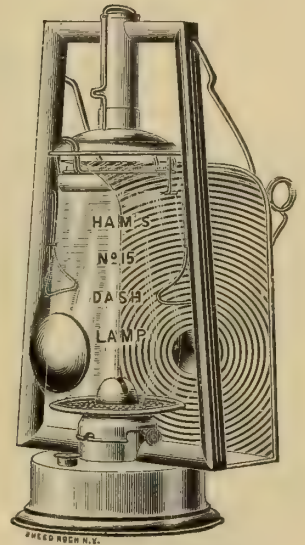
LANTERNS

The Best Burning and Finest Finished Tubular
Goods on the market.



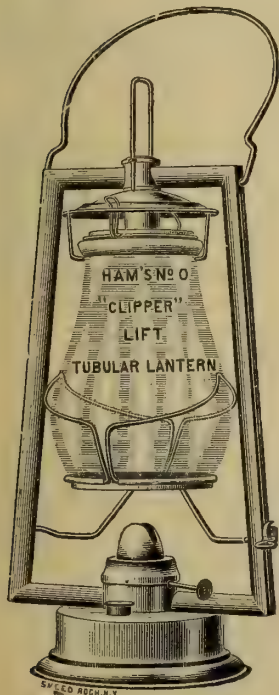
RAILROAD

No. 39, $\frac{5}{8}$ and 1-in. wick



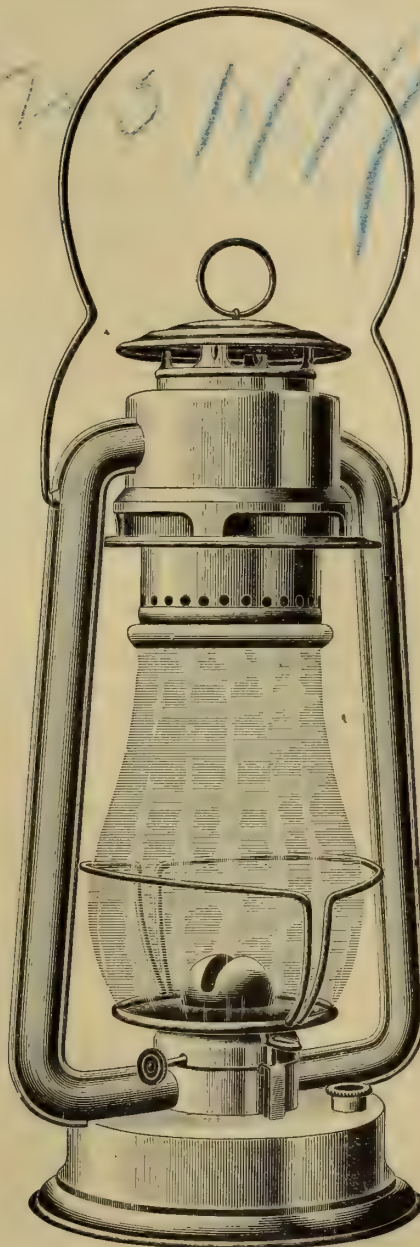
DASH LANTERN

No. 15, Plain Globes



HAM'S

No. 0, Clipper



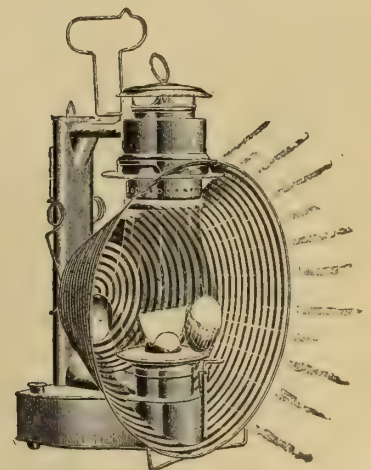
COLD BLAST

Ham No 1, $\frac{5}{8}$ -in. wick

" No. 2, 1-in. "

Wright No. 2, 1-in. "

" No. 2, 1-in. " Brass Bottom



SEARCH LIGHT

No. 20, Japanned

H. S. Howland, Sons & Co., Toronto

LETTER ORDER SHIPPED PROMPTLY.

Graham Wire and Cut Nails are the Best.

OUR PRICES ARE RIGHT.

TRADE CHAT.

JOSEPH CHURCH, formerly an employe of Mrs. A. M. Brown, Simcoe, Ont., has purchased the latter's business and has moved to a store immediately opposite Mrs. Brown's old stand.

Noxon Bros., manufacturers of agricultural implements, Ingersoll, Ont., have closed down.

A Buffalo man visited Hepworth, Ont., the other day looking over the ground with a view to starting up a small foundry.

The Baldwin Locomotive Works, Philadelphia, have recently completed the first locomotive built in their works for Great Britain.

The railway companies propose to advance freight rates on all classes of merchandise on November 15, when the winter freight tariff goes into effect.

John Bertram & Sons, Dundas, Ont., are building a steel and glass erecting shop, 110 x 80 feet in size. Two 20-ton cranes will be constructed to travel the whole length of the structure.

The Waterous Engine Works, Brantford, Ont., are adding 4,000 square feet of floor space to their moulding department. The extensions are to be finished by about Dec. 1. Other additions will likely follow.

The Goldie-McCulloch Co., Limited, Galt, Ont., have just received orders to manufacture a large quantity of machinery for a sugar plantation company in Trinidad. The order is likely to be only the forerunner of many more from that distant isle of the sea.

NEW YORK METAL MARKET.

PIG TIN—There is still a good movement of supplies into consumptive channels, and so much of the fresh supply coming forward is taken up that values are kept quite firm, in the face of more or less erratic and rather lower quotations from London by cable. There is nothing doing in speculative "contracts," and prices for the same, as officially quoted, are "nominal" to a great extent. Actual tin was sold to-day at 18.15 to 18.20c. net and 18.25 to 18.30c. free on board, in round lots, for prompt delivery. There was an idea about that December and later deliveries could have been secured at more or less discount, but bona fide offers below those quoted for spot stock were not only few, but almost invariably conditional to the extent of being one-sided and no gauge to true market value.

COPPER—The movement into consumption continues good, and shipments to Europe are liberal. With this free movement there is a very fair amount of new business. Between it all prices are kept

quite firm at 12½c. for Lake Superior ingot; 12¼ to 12¾c. for electrolytic bars, etc., and 12 to 12½c. for ordinary casting stock.

PIG LEAD—There is little doing at the moment outside of carload lot business, in which carload lots only were involved, but offerings are somewhat more restricted at the moment than they have been for a week or more, and prices are somewhat steadier at 3.70 to 3.72½c., as to quantity and delivery.

SPELTER—The market remains firm, with 5.15 to 5.20c. quoted for prime domestic delivered here, and at corresponding prices at primary points. The firmness is due chiefly to the closeness that production has been sold up of late and continued steady consumptive demand. London cables were higher also, and quoted £24 15s. for good merchant brands.

ANTIMONY—There is only ordinary jobbing movement, but enough business takes place to keep prices steady at 9 to 9¾c., as to brand and quantity.

TINPLATE—A fair jobbing business is all that is taking place, and there is no really new feature, prices being fairly steady throughout.

IRON AND STEEL—The movement in pig iron continues fairly large, and prices are steady, with the range virtually as quoted for several days. Old material is slow, but rather quiet. Steel rails, beams and other heavy mill products remain unchanged.—N.Y. Journal of Commerce, Nov. 2.

THEY MAKE GOOD CUTLERY.

In this week's issue will be found the advertisement of The Illinois Cutlery Co., Decatur, Ill., U.S. This company manufacture one of the most up-to-date lines of serrated-edge knives on the market; also kitchen utensils, such as meat tenderers, graters, can openers, slicers, etc. Hardware dealers and others interested should write to Squire, Watson & Co., Montreal, and Chas. E. Santo, London, Ont., the agents of the company, for prices, terms, samples, etc.

FROM PAINTS TO PEAS.

It's a far cry from white lead and varnish to Canadian cereals, but Mr. W. H. Evans, of The Canada Paint Co., Toronto, has just received a letter from a large milling firm in Great Britain, inquiring as to the best firms in Canada from whom to purchase peas and oats. Mr. Evans visited the board of trade chambers, and, having secured the necessary information, wrote at once to the Old Country milling firm desiring the same.

PERSONAL MENTION.

Mr. H. Newman, of Caverhill, Learmont & Co., Montreal, was in Toronto on Friday on his way home from a trip to Manitoba.

MICA

We have some bargains to offer in this line.

Samples and prices on application.

EMERSON & FISHER

ST. JOHN, N. B.

(46)

Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent,
April 3 1897.

With Plated Rust Proof and Guarded Spring.
"The Latest and Best." Sold by all Leading
Jobbers in Canada.

PRIEST'S CLIPPERS



Largest Variety,
Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and
Sheep-Shearing Machines.
WE MAKE THEM.
SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA



COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.

Coates Clipper Mfg. Co.
WORCESTER, MASS.



AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods
We make a
specialty of.... Can ship promptly and
supply the very best

"Hand Shaved"

Octagon

Axe Handles

Made by
Indians

being the largest dealers in Canada in this line.
Can give exceptional value.
Have 5,000 dozen of these handles
on hand, ready for polishing.
Write for prices.

Eastern Agent—W. B. Murlack, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.

Snider Ammunition.

Cartridges loaded by us, with ball or shot, in solid-drawn brass shells, can now be procured from jobbers.

Dominion Cartridge Co., Limited - Montreal

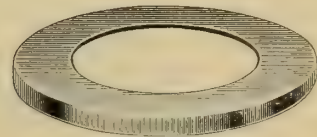
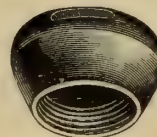
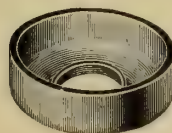
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Stove Trimmings

In **BRASS, NICKEL**
and **BRONZE.**

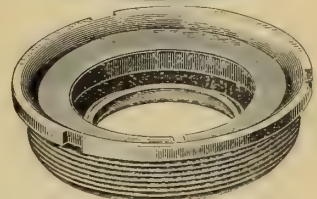
All orders promptly and carefully
executed.



Sheet Steel Bicycle Fittings

OF ALL
DESCRIPTIONS.

Estimates furnished from Blue Prints,
Drawings or Samples.



CATALOGUES FURNISHED ON APPLICATION.

The H. A. MATTHEWS MFG. CO., SEYMOUR, CONN.

NEW GOODS in ...



Have you a copy
of our
New Catalogue?

Sterling Silver and
Electro Silver Plate



The TORONTO SILVER PLATE CO., Limited

Silversmiths and Manufacturers of
Electro Silver Plate.

Factories and Salesrooms—

E. G. GOODERHAM,
Manager and Sec.-Treas.

King Street West,
TORONTO, Canada

EXTENDED INSURANCE.

One of the many liberal features embodied in the
UNCONDITIONAL ACCUMULATIVE POLICY
issued by the

Confederation Life Association.

HEAD OFFICE--TORONTO,

is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

Rates and full information sent on application to the Head Office, Toronto, or to any of the association's agents.

W. C. Macdonald,
Actuary.

J. K. MACDONALD,
Managing Director

BUSINESS CHANGES.**DIFFICULTIES, ASSIGNMENTS, COMPROMISES.**

G. C. CHURCH, general merchant, Burk's Falls, Ont., is offering to compromise.

W. B. Craig, general merchant, Perth Centre, N.B., has assigned.

George Lavoie, general merchant, St. Octave, Que., has assigned.

Mrs. F. Dumas, hardware dealer, Quebec, is offering 50c. on the dollar.

Charles Pearson, jr., general merchant, Cedar Hall, Que., has suspended.

Edward Flemming, general merchant, Holyrood, Nfld., has been declared insolvent.

Wm. Mason & Son, sawmillers, etc., Ottawa, have assigned to J. F. Cunningham.

Oliver Guerrette, general merchant, Notre Dame Du Lac, Que., is offering 45c. on the dollar.

Cauchon & Frere, general merchants, Etchemin, Que., are offering 60c. on the dollar.

James McGee, harness dealer, Woodstock, Ont., has assigned to Edward K. Nesbitt.

Thomas Girard, jr., general merchant, Napierville, Que., has assigned to Alex. Desmarreau.

A meeting to appoint a curator for Pierre Maltais, general merchant, Murray Bay, Que., has been called for Nov. 12.

PARTNERSHIPS FORMED AND DISSOLVED.

Campbell & Spence, hardware dealers, etc., Kirkfield, Ont., are about dissolving.

Gus. Moreman, general merchant, etc., Shoal Bay, B.C., has admitted J. Smith as partner.

SALES MADE AND PENDING.

E. Chapman, general merchant, Sherwood, Ont., has sold out.

The stock and tools of R. J. Selfridge, tinware dealer, St. John, N.B., have been sold by tender.

The stock of M. J. Bowles, general merchant, Windsor Mills, Que., has been sold at 67½c. on the dollar.

The stock belonging to the estate of McGaw, Kennedy & Co., general merchants, Drumbo, Ont., has been sold.

The assets of Fred. Kennedy, general merchant, Douglstown, Que., are advertised to be sold on the 11th inst.

The real estate, buildings, plant, and stock of The W. R. Gardner Tool Co., Limited (in liquidation), Sherbrooke, Que., are advertised to be sold by auction on the 14th inst.

CHANGES.

J. G. Rogers, general merchant, Lambton Mills, Ont., is removing to Toronto.

Sales & Halliday, general merchants, Merlin, Ont., have been succeeded by Marshall Bros. & Archer.

S. G. Lewis, general merchant and hotel

keeper, Chemainus, B.C., has sold out his hotel business to Jas. Cathcart.

Susie Lamont has retired from business as harness dealer in Strathroy, Ont.

Johnson & Co., blacksmiths, Elora, Ont., have been succeeded by John Anderson.

Gray Copping is commencing business as dealer in hardware and paints in Montreal.

Frederick Terish, harness dealer, Londesborough, Ont., has removed to Hanover, Ont.

Geo. A. Ireland, bicycle dealer, etc. Deseronto, Ont., has closed up his business.

The Beaver Portland Cement Co., Limited, Montreal, is applying for incorporation.

Lambert F. West, general merchant, Harvey Bank, N.B., has sold out to Harding Graves, and has moved to Vancouver.

McLennan, McFeeley & Co., Limited, wholesale and retail hardware dealers, Vancouver, have opened a branch at Dawson City.

FIRES.

The grist mill of A. E. Howse, general merchant, etc., Nicola Lake, B.C., has been burned. Loss, \$14,000; insurance, \$2,500.

DEATHS.

Wm. Purvis, of Archibald & Co., general merchants, North Sydney, N.S., is dead.

FEEDING CLERKS.

Editor **HARDWARE AND METAL**—In these days of keen competition, every possible manner and means is resorted to by manufacturers and others to have their goods placed before the public, and, of late, a most reprehensible practice has crept in in the shape of feeding salesmen in retail stores to sell certain products and no other. This thing is carried on to a very much larger extent than any retailer has an idea of. In some cases, it is a spiceman who is putting his hand in his pocket to get the head counterman to recommend his goods. In another case, the packet teaman is supplying the clerks with his celebrated brand for their private consumption. Again, the wholesale grocer keeps all hands supplied with cigars, to push his coffee, canned goods, tea, etc., and run down his neighbors', and so the thing goes on. In any of these cases, the man who is paying for all this is the retail merchant, and he is unaware of what is going on.

The above facts are known to be absolutely correct, and it is high time that the travelers who are chumming in with understrappers should be given a cold shoulder.

WATCH DOG.

Hamilton, October 27, 1898.

Anyone sending a post card to The Auer Light Co., Limited, Montreal, and mentioning The Canadian Grocer, will receive, free of charge, a useful brass-edge ruler.—The Canadian Grocer.

**MANUFACTURERS OF**

PURE COLORS IN OIL.

C. P. VARNISH COLORS.

SUPERFINE COLORS IN JAPAN.

CHEMICAL COLORS IN PULP.

GENUINE ELEPHANT,

DECORATORS' PURE,

WHITE LEADS IN OIL.

LIQUID COACH COLORS.

TRUE-TO NATURE OIL STAINS.

CARRIAGE TOP DRESSING.

TRIPLE STRENGTH COLORS.

SHINGLE STAINS.

ART ENAMELS.

ARTISTS' TUBE COLORS.

PARIS GREEN.

KALSOMINE.

MAGNETIC OXIDE.

ACETIC ACID.

LIQUID BODY PRIMER.

GROUND ROUGH-STUFF.

RUB LEAD.

READY MIXED PAINTS.

DRY COLORS, FILLERS.

PUTTY.

GRAPHITE PAINTS AND SPECIALTIES.

COACH VARNISHES.

FURNITURE VARNISHES.

GOLD SIZE JAPAN.

MAGNETIC DRYERS.





EMERY

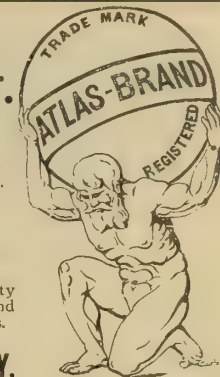
Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d.
and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality
for general and
special purposes.

EMERY GRINDING MACHINERY.



Write for Latest Catalogues and Samples to

THE LONDON EMERY WORKS CO.,

10-12 Vine Street
Clerkenwell,

LONDON, E.C.

The Starr Manufacturing Company's No. 5 Skeleton



QUALITY CONSIDERED, THE CHEAPEST SKATE IN THE MARKET.
UNSURPASSED FOR HOCKEY PLAYING.

THOMAS L. PATON, Agent, 30 St. Francois St. - - Montreal



SEALED TENDERS addressed to the undersigned, and endorsed "Tender for New roof-covering of Post Office Building, Montreal, Que.," will be received until Monday, 14th November, 1898, for the renewal of the roof-covering of the Post Office, Montreal.

Plans and specification can be seen and form of tender and all necessary information obtained at this Department and at the office of the Clerk of Works, Post Office, Montreal.

Persons tendering are notified that tenders will not be considered unless made on the printed form supplied and signed with their actual signatures.

Each tender must be accompanied by an accepted bank cheque made payable to the order of the Honourable the Minister of Public Works, equal to ten per cent. of amount of the tender, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order,

E. F. E. ROY, Secretary.

Department of Public Works,
Ottawa, October 20th, 1898.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (46)

If you want the straightest and
most durable Rawhide Whips
in the market, order our

Napoleon and Monarch

WHIPS

Every Whip Guaranteed.

Patented and made only by . . .

HAMILTON WHIP CO.

119, 121, 123 Mary St., HAMILTON.

Cheap Whips of Every Style.

THE New White Metal Polish "Nanon"

The Queen of Polishes.

Imparts instantaneously a dazzling and lasting
BRILLIANCY

to Brass, Tin, Nickle, Zinc, Gold, Silver, etc. Free
from grit or emery, and will not scratch the finest
surface.

Samples on Application.

LAMPLOUGH & McNAUGHTON

Montreal

Sole Agents for Canada.

STANDARD GOODS.

The Gurney-Tilden Co's
Locks, Knobs and Hardware
Gurney Standard Scales
Souvenir Stoves and Ranges
Globe Files and Rasps
Royal Cold Blast Lanterns
Climax Safety Tubular Lanterns
Banner Lamp Burners

PRICES ALWAYS RIGHT.

WALTER GROSE

Eastern Selling Agent (45) ...MONTREAL

ADAM HOPE & CO.

30 John Street, - Hamilton

IMPORTERS OF

METALS

PIG TIN

INGOT COPPER

PIG LEAD

SPELTER

ANTIMONY

WRITE FOR PRICES.



"BUILD TO-DAY THEN,
STRONG AND SURE.
WITH A FIRM AND
AMPLE BASE."
— Longfellow.

DO YOU?

WISH THUS TO BUILD
an
advertisement
in the
CONTRACT-
RECORD.

TORONTO
will bring you
tenders from the
best contractors

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Nov. 4, 1898.

HARDWARE.

THE week has been a decidedly active one, both in shelf and heavy hardware, the fact that rail freights will advance on the 15th causing the usual rush to get supplies forward for the winter before the increased cost of transportation rules. All heavy material, therefore, exhibits activity, and values, where they are not steady, recording advances, the rise as noted below, in several instances, being simply a continuation of a steady upward move from the low point spreading over weeks.

BARB WIRE—With an extremely light trade there is nothing to report in barbed wire, and we quote the basis \$2 f. o. b. Montreal, with the usual discounts.

PLAIN WIRE—Enquiry for wire suitable for hay-baling is the only thing noted, other sorts ruling quiet, and we quote \$1.80 to \$1.85 for Nos. 13 and 15, the sizes asked in this connection. Other sorts of wire are dull.

WIRE NAILS—Demand for wire nails is

actively maintained, and orders this week for 50 and 100-keg lots are more numerous than they have been, the aggregate result being a largely increased volume of business. Values, however, are still unsettled, for, although it is by no means as general as it was, we still hear of the acceptance of \$1.70 for smaller lots than 50 kegs, though we quote \$1.70 to \$1.75.

CUT NAILS—Orders for shipment by the river steamers are coming in very freely, and the movement this week for prompt shipment is quite brisk. We quote \$1.75 f. o. b. Montreal, etc., with 5c. rebate.

HORSE NAILS—There has been a brisk trade in these, and at steady values. Discounts are 50 per cent. on Standard, and 50 and 20 on Acadia brand.

HORSESHOES—In active inquiry with values steady. We quote as follows: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35; toe weight, \$5.50.

SCREWS—There is a good demand for screws. Discounts are: Flat head bright

87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—In good demand and steady. Discounts are as follows: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5; tire bolts, 70 and 5, and sleighshoe bolts, 80 per cent.

RIVETS—Fairly active and unchanged. Discounts are: Iron, black and all tinned, sizes, 65 per cent. Copper rivets and washers, 45 per cent.

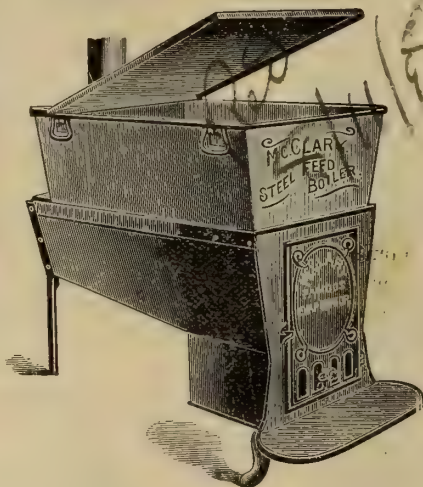
CORDAGE—Business in cordage is light and there has been no further change in values. We quote: Sisal, 7-16 and up, 10c.; ¾, 10¼c.; 5-16 and ¼, 11c., and 3-16, 11¼c. Manilla was unchanged: 7-16, 11½c.; ¾, 12¼c.; 5-16 and ¼, 13c., and 3-16, 13¼c.

CLOTHES WRINGERS—Business quiet and prices at \$29 to \$30, as to brand.

BUILDING PAPER—Demand is fair both

THE FAMOUS EVAPORATOR OR FEED BOILER

For Wood.
Heats Quickly.
Saves Fuel.



Boiling pan made of galvanized steel, holds 50 gallons (imperial).
The furnace door, frame, smoke pipe plate, hearth, legs and grates are made of cast iron.
Steel linings prevent the direct heat of the fire from warping or burning the body of furnace.
Size of firing door, 11 x 12 inches.
Length of fire-box, 40 inches.
Being steel, it boils quickly and uses little fuel in doing it.

Aluminum Heater

For COAL OIL.

Can be carried
anywhere.

Made entirely of steel and aluminum.
Will not discolor.
The oil tank is so protected with cold air spaces that oil cannot become heated, and therefore prevents odor.
Cold air is drawn from floor and discharged from top of stove heated, causing a complete circulation of air in the room.

VERY LIGHT. NO SMOKE.

In **AUTUMN** they are a comfort in the nursery and parlors, as well as in **SPRING**.

	No. 24.	No. 30.
Circumference of wick, in.	8¾	10
Approximate weight	11	15



FOR QUICK SHIPMENTS ORDER FROM McCLARY'S.

Sole Agents for Canada

The McClary Manufacturing Company

LONDON

TORONTO

MONTREAL

WINNIPEG

and

VANCOUVER

The genuine is stenciled "Apollo-Vandergrift"

**APOLLO BEST BLOOM
GALVANIZED IRON.**

Won't dealers in galvanized iron please keep on saying their brands are as good as Apollo! We ask no better advertisement.

Apollo Iron and Steel Company
Vandergrift Building
Pittsburgh
Works: Apollo and Vandergrift, Pa.

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

FACTORIES

...MONTREAL

CUT NAILS

Clinch and Pressed Nails, Horse Shoes (Steel and Iron), Railway and Pressed Spikes, Mine and Wharf Spikes, Drift Bolts, Washers (Steel and Iron).

CANADA IRON FURNACE CO.,

Manufacturers of

Limite

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que.
Lac a lac Tortue.

Three Rivers.
Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

for roofing and sheathing, but more especially the former, supplies of which are rather light. We quote: Tarred fibre, 45c.; dried ditto, 35c.; tarred sheathing, 30c.; dried, ditto, 25c.; tarred roofing, \$1.20.

BELTING—In fair request, with discounts unchanged.

HINGES — Unchanged, as noted before. We quote as follows: 6 to 12 inch, \$3.50 per 100 lb.; 14 inch, \$2.50; screen door are unchanged at \$6.50 per gross pair and T and strap at 70 and 10 per cent. discount off the list.

SPADES AND SHOVELS — Discounts unchanged at 40 and 10 per cent.

SPORTING GOODS—Quite a few orders for guns, rifles and ammunition were noted this week.

HOUSEHOLD WARE—Much as it was last reported, with a fair trade in progress.

CUTLERY—In fair activity in a sorting-up way.

CEMENT—Goods on old orders are being pushed forward, and values are steady. We quote as follows: Belgian, \$1.85 to \$2.05; German, \$2.35 to \$2.50, and English, \$2.25 to \$2.35, with domestic \$1.95 to \$2.

FIREBRICKS—In fair demand, and steady at \$16 to \$21 per 1,000, as to brand.

METALS.

There has been an active demand for heavy iron and metals, and values generally exhibit a continued upward tendency, this being the case in ingot tin which has scored a further gain over last week's rise. Pig iron also is strong in tone, in fact, with few exceptions, all lines rule buoyant. Bar iron and bar steel have also advanced.

PIG IRON—The firm disposition of this line has been heightened by further demand of an urgent character, both for domestic and Scotch, for prompt shipment by water. We quote: No. 1 Hamilton, \$15.25; to \$15.50; No. 2, \$14.75; Ferrona, \$14.75 to \$15; Siemens, \$14.75 to \$15, and Summerlee and equal brands, \$18, ex wharf, and \$18.50 to \$19 ex yard.

BAR IRON—For the first time in months, in fact, this year, an advance in the price of bar iron has to be recorded, makers this week demanding a rise of 5c. per 100 lb., and we now quote \$1.40 for car lots and \$1.45 for smaller quantities.

BAR STEEL — Makers are asking a similar advance for steel of 5c. per 100 lb.

HOOPS AND BANDS—There is an active demand for these, while prices are steady at \$1.75 to \$2.

SHEET STEEL—In fair request. We quote: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON — Quiet, but steady. We quote: \$2.10 on 10 to 16 gauge;

CAST STEEL

"Sanderson's" make, the oldest and most reliable in the market. A large assortment in stock, and import orders promptly filled.

COIL CHAIN

Garland Chain Co.'s make. Special attention to Crane Chain, Dredge Chain, and other high-grades.

ANVILS and VISES

Henry Wright & Co.'s well-known make. Full assortment in stock, at lowest prices.

A. C. LESLIE & CO.

AGENTS

MONTREAL

"GREENING'S

Cow Ties."

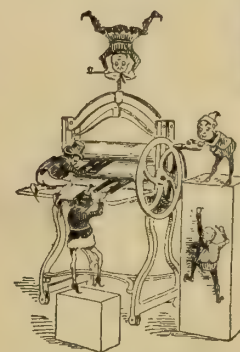
These Cow Ties have stood the test for years. Undoubtedly the best and strongest on the market.

It will pay to handle only the best. A complete line of all sizes ready for shipment. For sale by all jobbers.

The B. Greening Wire Co.

LIMITED

MONTREAL AND HAMILTON.



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited

Cor. Bay and Murray Streets

HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

\$1.80 on 18 to 20 gauge; \$2 on 22 to 24 gauge; \$2.10 on 26 gauge, and \$2.15 on 28 gauge.

GALVANIZED IRON—A very active trade is doing, and values are firmly held. We quote: "Queen's Head," No. 28, \$4 to \$4.15; and "Comet" ditto, \$3.75.

INGOT COPPER—This metal continues strong outside on the whole, and values here are stiff at 13c., with demand quite brisk.

SHEET COPPER—Steady, with sellers very firm in their views, while the demand is, if anything, more active. We quote as follows: 16-oz. at 16c., and 14-oz. at 17c.; tinned copper, 16-oz., 18c.; 14-oz., 18½c.; planished 14-oz., 24c.

INGOT TIN—The advancing tendency of this metal continues unchecked, another rise in spot prices being established this week, Lamb and Flag being held ½c. higher, at 19½c., and Straits at 18½c. Naturally, the steady rise has led to freer buying, but supplies are light.

PIG LEAD—There has been no further change in this metal, and values are steady at \$3.70 to \$3.80.

IRON PIPE—The active volume of trade in pipe at the rise is well maintained, both makers and jobbers having all they can do. We quote: Black pipe, ¼-inch, ¾-inch, and 1-inch, \$2.35; ¾-inch, \$2.80; 1-inch, \$3.85; 1¼-inch, \$5; 1½-inch, \$6.70, and 2-inch, \$9. Galvanized, ½-inch, \$3.95; ¾-inch, \$4.80; 1-inch, \$6.65; 1¼-inch, \$9.15; 1½-inch, \$11.75, and 2-inch, \$16.

LEAD PIPE—In good enquiry and steady, at 7c. for ordinary, and 7½c. for composition waste, with 25 per cent. discount.

CANADA PLATE—Trade in these retains its activity and values are steady. We quote: 52's, \$2.15; 60's \$2.30; 75's, \$2.35; full polished, \$3; galvanized Canada plate, 52's, \$3.75.

TIN PLATE—A good demand is noted; goods moving out quite freely. We quote: Coke, I.C., \$2.90 to \$3.25; charcoal, I.C., Allaway or Comet brands, \$3.25; do, I.X., \$4.10 to \$4.25; Lincoln, \$3.50; P.D. Crown, I.C., \$3.95; do, I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Steady and unchanged under a fair enquiry at \$6 to \$6.25.

COIL CHAIN—Orders from this Province and the Ottawa Valley are freely noted this week. We quote: ¼-inch, \$5; 5-16, \$3.50; ¾, \$3.25; 7-16, \$3.15; ½-inch, \$3, and ¾ up, \$2.85.

SHEET ZINC—Trade is fair and prices are very firmly held, though not quotably altered from 6¼ to 6½c.

SOLDER—Steady on the basis of 12¼c.

ANTIMONY—Quite a few cask lots have been moved at 9¼ to 9½c.

SPELTER—Firm outside and strong here, but not quotably changed from \$5.50 to \$6.

GLASS.

The glass market is active and very steady. We quote: First break, \$1.70; second, \$1.80 per 50 feet; first break per 100 feet,

\$3.20; second, \$3.40; third, \$3.75; fourth, \$4; fifth, \$4.50; sixth, \$5; seventh, \$5.50.

PAINTS AND OILS.

Following the advancing price in the south, turpentine has advanced 4c. per gal. since last report, and now rules strong, without any sign of abatement. Linseed oil, with heavy arrivals, is without alteration locally, though the English market continues firm. The heavy stocks now in the city will probably check any advance in price for some weeks, but there is no prospect of any immediate decline in the near future. Paints are in good demand, with materials at hardening prices, and present indications are that figures for next season, especially for lead and zinc paints, will be higher than at present.

WHITE LEAD—Best brands, Government standard, \$5.62½; No. 1, \$5.25; No. 2, \$4.87½; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4¼c.; kegs, 4¾c.; No. 1, casks, 4¼c.; kegs, 4½c.

WHITE ZINC PAINT—Pure, 7c.; No. 1, 6¼c.; No. 2, 5½c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 49c.; boiled, 52c., five to nine-barrels, 1c. less, ten to nineteen, 2c. less, and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 55c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8¼ to 8½c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4½ to 5½c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

PETROLEUM.

Petroleum rules brisk and values are firm. We quote: "Crown Acme," the new Sarnia oil, is selling at 16c. in small quantities; Canadian refined, 14c.; American prime white, 17c.; water white, 18c.; Pratt's astral, 19½c.

HIDES.

Hides continue steady. We quote: Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3, 7c. Lambskins, 65 to 70c.

MONTREAL NOTES.

Turpentine has been advanced another 4c., following the rise at primary markets,

Another advance of ½c. in the price of ingot tin has been one of the features of the week here.

Heavy arrivals of linseed oil here have not affected the price and no immediate change is looked for.

Makers here have advanced prices at the mill 5c. per 100 lb., both on bar iron and bar steel, which rule firm at the rise.

OAKEY'S

'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

Portland Cements

Best German, English and Belgian Brands

Calced Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

ONTARIO LEAD AND
WIRE CO., Limited

TORONTO
PRICE LIST.

Clothes Line Wire.

17 Gauge, 7 Strands, \$4.25 per 1,000 feet
18 " 7 " - 3.50 " " "
19 " 7 " - 3.00 " " "

Hollow Cable Clothes Line Wire.

X	-	-	\$3.00 per 1,000 feet
XX	-	-	3.25 " " "
XXX	-	-	3.75 " " "

Put up in 50 and 100 feet coils.

Trade discount..... %

Terms, 4 months, or 3% 30 days.

F. O. B. Toronto.

N.B.—This wire is manufactured from the best silver steel galvanized wire, and where splicing is necessary the ends are soldered, thus avoiding all injury to linen from rough points.

NOTE.

Our Wire Nails and Barb Wire are Standard, write for prices.

Our Galvanized Steel Twisted Ribbon Fencing is the Cheapest Steel Fence in the Market. (47

ONTARIO MARKETS.

TORONTO, Nov. 4, 1898.

HARDWARE.

A decidedly active air obtains around the wholesale hardware warehouses this week. No line, probably, can be picked out and described as the most active, there being a good trade doing all round. A nice trade is being done in cutlery, and not a bad business is being done in sporting goods. Wire nails are still active, but low in price. Both horseshoes and horsenails are in good demand. Wire of all kinds is quiet. While not much is being done in skates at the moment, the trade awaiting cold weather, a large quantity has been shipped. Churns are going out well, and a fair trade is being done in clothes wringers. Coal hods, oil cans, stove boards and seasonable goods of that description are still in active request. The stove and furnace trade still exceeds the ability of the manufacturers to supply.

BARB WIRE—Still practically nothing doing. We quote: Four point, \$1.80 f.o.b. Toronto and \$1.85 f.o.b. London; two point at \$1.90 f.o.b. Toronto. Terms, 30 days or 2 per cent. 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—Wire of kinds is quiet, and the sale of hay-baling wire disappointing. We quote as follows: Annealed, oiled and annealed, bright wire, coppered steel and spring, 37½ per cent. discount off the list, with allowance of freight up to 20c. per 100 lb.; galvanized, 30 per cent.

WIRE NAILS—While the conditions as to price are no worse, they are no better. As far as business is concerned, that is good. The ruling base price to retailers is still \$1.75 per keg, Toronto, for ordinary quantities.

CUT NAILS—Still dull. Base price \$1.75 Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—The demand good. Discounts are: Standard, oval head, 50 per cent. Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—The manufacturers are decidedly busy, and the wholesalers are experiencing a good demand. We quote: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—Trade continues fairly good. Discounts are as follows: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—The volume of business is still being maintained. We quote as

OUR SMOOTH AND ROCK FACED PRESSED BRICK AND ROCK FACED STONE

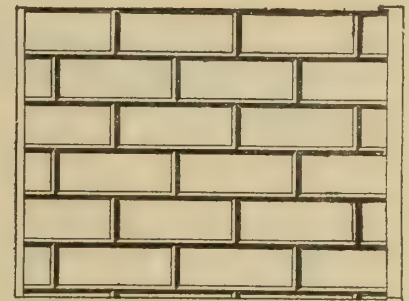
Are invaluable for buildings of almost any description.

They give warmth, fireproof durability and a most handsome appearance for a remarkably small cost. Are quickly and easily applied, and are noted, as are all our lines, for their strict reliability and uniform value.

If you haven't our catalogue, send for it—the building information will interest you.

The METALLIC ROOFING CO., Limited

1179 King Street West, TORONTO



Sheet Steel Pressed Brick.

follows: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¾c.; hexagon, 5¼c.

RIVETS AND BURRS—A fair trade is to be noted. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25.

ROPE—Trade is still without improvement. We quote as follows: Sisal, 7-16 in. and larger, 10c.; ¾ in., 10½c.; ¼ and 5-16 in., 11c.; Manilla, 7-16 in. and larger, 11½c.; ¾ in., 12c.; ¼ and 5-16 in., 13c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—Trade is still being well maintained. We quote: Rope halters, ¾ in., \$8.25 to \$8.50 per gross; ½ in., \$9.25 to \$9.50; ¾ in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—The demand is good, and at the moment somewhat in excess of the ability of the manufacturers to supply. Discounts 60, 10 and 5 per cent. Delivery points are Toronto,

Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Quite a nice trade is reported to be doing in this line. We quote: "New Leader," "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BELTING—Trade keeps active and prices firm. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

BUILDING PAPER—A scarcity in tarred felt is still to be noted. Business is fair. We quote as follows: Plain building, 28 to 30c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.45 to \$1.50 for 10 oz. and \$1.50 to \$1.60 for 16 oz. per 100 lb.; Northumberland plain, 30c.; ditto, tarred, 40c.; ditto, saturated, \$1.50 per 100 lb.; asbestos paper, 6½c. per lb.

CUTLERY—Wholesalers are fairly busy in sorting-up orders for table and pocket cutlery.

SPORTING GOODS—A fair trade is being done. Business in loaded shells, this season, has been larger than in any previous season.

WARE—A fair business continues to be done in enamel ware, but there is very little being done in tinware, outside a few special lines.

CEMENT—The demand is quiet, but prices continue well maintained. We quote in barrel lots as follows: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.50; Canadian hydraulic cements,

\$1 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

METALS.

The metal market is a fairly strong one, particularly in tin and copper, in the former of which prices are again higher. Zinc sheet is also dearer, being quoted $\frac{1}{4}$ c. per lb. higher.

PIG IRON—The market is steady. We quote: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80. Hamilton iron, No. 1, in 100-ton lots, \$14. on track Toronto.

BAR IRON—The mills in Montreal have withdrawn their prices, but, as far as can be learned, the trade can still be supplied at \$1.45 from stock and \$1.35 from factory.

BAND IRON—Trade is much as before. We quote: 1 to 6 inch, \$1.65 from factory, and \$1.75 per 100 lb. from stock.

SHEET STEEL—The market is without special interest. We quote: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Is as dull as ever. We quote as follows: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—The activity which has been so marked in this line for some time is still maintained. We quote as follows: Queen's Head (case lots), 16 gauge, $3\frac{3}{8}$ c.; 18 to 24, \$3.87 $\frac{1}{2}$ c.; 26, W. G. $4\frac{1}{8}$ c.; 28 gauge, \$4.37 $\frac{1}{2}$ c.; Gordon Crown (case lots), 28 gauge, \$4; 26 gauge, \$3.75; 22 to 24 gauge, \$3.50. American (case lots), 28 gauge, \$3.80; 26 gauge, \$3.55; 22-24 gauge, \$3.30; 18 to 20 gauge, \$3.05. "Comet" brand, No. 24, \$3.25; No. 26, \$3.50; No. 28, \$3.75. Small lots in all the above are $\frac{1}{4}$ c. per lb. higher than figures named.

INGOT COPPER—The outside markets are higher, but, locally, quotations are as before. A fair trade is reported. We quote 13 to 13 $\frac{1}{2}$ c. per lb.

PIG LEAD—Quiet, at 4c. for imported and 3 $\frac{1}{2}$ c. for domestic.

LEAD PIPE—Trade keeps fair. We quote: Ordinary pipe, 7c., and composition waste, 7 $\frac{1}{2}$ c., with 25 per cent. discount.

TUBING—Trade is still fair. We quote: Block tin, 30c., and tin lined, 15c., with 10 to 20 per cent. discount.

IRON PIPE—A brisk trade continues to be done. We quote: Black pipe, per 100 feet, $\frac{1}{4}$ to $\frac{3}{8}$ inch, \$2.30 to \$2.35; $\frac{1}{2}$ inch, \$2.30 to \$2.35; $\frac{3}{4}$ inch, \$2.80; 1 inch, \$3.95; 1 $\frac{1}{4}$ inch, \$5.20; 1 $\frac{1}{2}$ inch, \$6.75; 2 inch, \$9.10. Galvanized, $\frac{3}{4}$ inch, \$3.20; $\frac{1}{2}$ inch, \$3.75; $\frac{3}{8}$ inch, \$4.50; 1 inch, \$6.25; 1 $\frac{1}{4}$ inch, \$8.75; 1 $\frac{1}{2}$ inch, \$11; 2 inch, \$15.

RANGE BOILERS—Business continues active in this line. We quote: Galvanized, 30 gals. \$5.25; 35 gal., \$6; 40 gal., \$7; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES Are still going out lively. All-bright is getting scarce and prices are in consequence being more firmly held. We quote: All-bright, \$2.85 to \$3; half-polished, \$2.35; all-dull, \$2.25.

TIN PLATES—Prices are higher at the primary points, but local dealers' quotations are unchanged, owing, evidently, to the keenness of competition. We quote: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

COIL CHAIN—Quite an improvement is to be noted in the demand for coil chain for lumbermen's purposes. We quote as follows: $\frac{1}{4}$ in., \$4.65; 5-16 in., \$3.75; $\frac{3}{8}$ in., \$3.25; 7-16 in., \$3.15; $\frac{1}{2}$ in., \$3.10; $\frac{5}{8}$ in., \$2.80; $\frac{3}{4}$ in., \$2.75.

TINNED IRON—Dull. We quote as follows: In case lots for 22 to 24 gauge, and 2 $\frac{3}{4}$ c. in lesser quantities; cut to size, 24 gauge, case lots, 4 $\frac{3}{4}$ c.; small lots, 5c.; 26 gauge, standard size, 6c. for case lots, and 6 $\frac{1}{4}$ c. for small lots.

SHEET ZINC—The demand is fairly good and prices are $\frac{1}{4}$ c. per lb. higher, at 7 $\frac{1}{4}$ c. for cask lots and 7 $\frac{1}{2}$ c. for small lots.

ZINC SPelter—Prices are a little firmer, imported being quoted at 5 $\frac{3}{4}$ to 6c. per lb.

SOLDER—The demand is light and prices unchanged. We quote: Half-and-half 13 $\frac{1}{2}$ to 14c.; standard, 13 to 13 $\frac{1}{2}$ c.; wire, 13c.; wiping, 11 $\frac{1}{2}$ c.

PAINTS AND OILS.

With a good demand locally, and a firm feeling with stiffened quotations for future supplies, the outlook may be said to be a cheery one for the season's business. Heavy supplies are coming forward by lake and rail and the shipments outwards are above the average, as the hardwaremen are not overstocked, and the fine weather during the past week has assisted sales materially. Trade is being keenly competed for in all departments, and, as far as the oil, color and varnish trades are interested, there seems to be a vigorous pushing, and it is a cause for congratulation that, on the whole, satisfactory prices are being obtained. Varnishes and japans are in ready request at slightly advancing figures. Ready-mixed house paints are not over brisk, but white lead and zinc are being freely purchased. Coach colors and paints used by manufacturers are being booked in encouraging quantities. Dry colors quiet. Gold leaf and sundries sluggish, without change in value. In the staples' department the feature is an advance of 2c. in linseed oil. Though prices in Europe and other points have been steadily advancing, Ontario manufacturers have kept their prices stationary until this week, when they made the advance noted. The demand for linseed oil is quiet, as is also the case with white lead. Turpentine is moving freely. With the exception of linseed oil, all goods are unchanged in price. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37 $\frac{1}{2}$; No. 2, \$5.00;

No. 3, \$4.62 $\frac{1}{2}$; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6 $\frac{1}{2}$ c.; orange mineral, 6 $\frac{1}{2}$ to 7 $\frac{1}{2}$ c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37 $\frac{1}{2}$ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9 $\frac{1}{2}$ c. per lb. and 10 $\frac{1}{2}$ c. for single tins; United States, in cases, 8 $\frac{1}{2}$ c., and 9 $\frac{1}{2}$ c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 51c.; boiled, 1 to 4 barrels, 54c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 56c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

Trade in window glass is booming. A feature noted is that what is being sold is wanted for actual requirements, as no dealers want to stock up at such high prices. It is said, too, that many dealers are cutting down stock sizes to fill requirements for three or four breaks smaller, rather than buy the breaks required from jobbers. This is false economy, as manufacturers in Europe are still refusing to quote, or are quoting so high that no importers are placing orders yet, and it is evident that there will be no arrivals to speak of before late next spring. Meanwhile, stocks are becoming scarce, and jobbers find it more difficult every week to fill specifications. This also may bull prices up another notch or so. Evidence of the demand for glass is given by the fact that a house in Toronto, having several surplus stocks for sale, offered them to jobbing houses here and elsewhere. The Toronto houses bid good figures, yet a Montreal house offered 25 per cent. above their mark. Sending glass from Toronto to Montreal is comparable to sending coal to Newcastle or beer to Milwaukee. No change in prices is noted this week. We quote: First break in 50-foot boxes, \$1.80 and in 100-foot boxes, \$3.40; double diamond under 25 united inches, \$5.25, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL

Prices are unchanged. Demand is good throughout. We quote: Agricultural scrap, 47½¢ per cwt.; machinery cast, 55¢ per cwt.; stove cast scrap, 32¢; No. 1 wrought scrap, 40 to 50¢ per 100 lb.; No. 2, including sheet iron and hoop iron, 10½¢; new light scrap copper, 8¢ per lb.; bottoms, 8¢; heavy copper, 8¼ to 8½¢; light scrap brass, 4 to 4½¢; heavy yellow scrap brass, 6¢; heavy red scrap brass, 7¢; scrap lead, 2½ to 2¾¢; zinc, 2¢; scrap rubber, 3½ to 4¢; good country mixed rags, 65 to 75¢; clean dry bones, 35 to 40¢ per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—The market is weak, and a decline is looked for. Cured hides have already dropped ¼¢ in value. On the Chicago market, a decline of ½¢ is reported. We quote: No. 1, 8½¢; No. 2, 7½¢; No. 3, 6½¢; cured, 9¢.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10¢ per lb.; No. 2, 8¢; dekins, from 30 to 35¢; culls, 15 to 20¢.

SHEEPSKINS—The feeling for shearlings and lambskins is firm, but no change is noted. We quote at 75 to 80¢.

WOOL—The market is dull. Prices are steady at 15¢ for fleece, and 10¢ for unwashed.

SEEDS.

Alsike is practically in the same position as last week, with prices steady at \$2.75 to \$4.50 in a jobbing way in Toronto. Red clover is offering more freely. Very little of last year's crop is now left. For it from \$3 to \$3.75 is paid, according to quality. For some extra choice lots slightly more is paid. The new crop is offered in liberal quantities. It is worth from \$3.50 to \$4.10. There is nothing doing yet in timothy.

COAL.

The scarcity of cars is unabated, and, as the demand keeps up, jobbers are still behind their orders. Prices are firm and unchanged. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

PETROLEUM.

Business continues brisk and prices unchanged. We quote at Toronto: Canadian, 13½¢; Sarnia water white, 15¢; American water white, 16½¢; Pratt's astral, 16¢, in bulk.

MARKET NOTES.

Linseed oil is 2¢ per gallon dearer.

Rice Lewis & Son, Limited, have done an enormous trade in skates this season, having already nearly cleaned out their stock.

H. S. Howland, Sons & Co. report a good trade in horse-clipping machines. This firm is again the agent for the Chicago flexible shaft machine.

H. S. Howland, Sons & Co. are in receipt of a shipment of Schultze smokeless powder, in ½-lb. tins and 25-lb. drums, direct from the works in England. Through an arrangement with the makers, the Messrs. Howland have been appointed the sole agents for the Dominion for the Schultze and the "E C" brands, both of which have met with a large sale in this country.

76,800 Daily Production.
5 Factories.
Brands.

For Sale all
over the world.

NICHOLSON

FILES

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of
America.

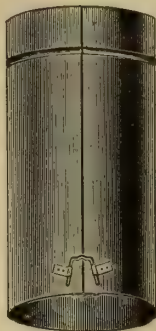
NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited.

Established 1773

Manufacturers of **POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS.** Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glas," St. Helens. Telephone No. 68 St. Helens.

CLOSED.**BARCLAY'S PATENT "TRIUMPH"****Adjustable Stove Pipe**

Can be put up by the most inexperienced.
So constructed that when taken down can
be nested and stored in small compass.

Manufactured by

G. B. BARCLAY

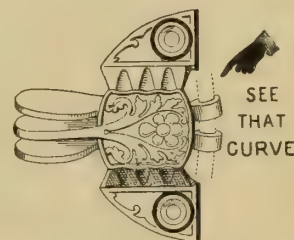
168 Adelaide St. W.

TORONTO**NESTED.**

In Crates of 25.

The Philosophy of the Cooke Sash Lock:

- "A straight rod can't pass through holes that are not in line."
- "The Rod of the Cooke Sash Lock is straight."
- "The Holes in the lugs are never in line except when thumb pieces are pressed together."
- "You can't forget to lock securely; when your hand leaves the thumb pieces, the sash is locked."

SEE
THAT
CURVE**COOKE HARDWARE CO.**

HAMILTON, ONT.

**EXTERIOR
WHITE LEAD**

The leader in White Lead to day is our "Exterior." It has been quickly introduced and enthusiastically received in every quarter of the Dominion, from the Atlantic to the Pacific. It is something new—no rehash of old formulas under a different label—no such lead was ever offered before. Painters are delighted with it. If you want to know about it, drop a card for our booklet on EXTERIOR LEAD.

**WINDOW
GLASS**

We are regularly receiving large shipments. Send us your specification for completion before boats stop running.

Unicorn Mixed Paints, Bulldog Coach Colors, Dry Colors, Stains, Varnishes, etc., always ready.

**A. RAMSAY & SON, MONTREAL
PAINT MANFRS.**

Established 1842.

(45)

HEATING AND PLUMBING

PLUMBING AND HEATING NOTES.

THE value of building permits during October, this year, shows a large falling off. The total value was \$90,240, as against \$138,120 for October, 1896, and \$143,675 for 1897. The total for the year, however, is much ahead of last year, being \$1,510,830, as compared with \$829,716 for the whole of last year.

John Date, plumber, Montreal, is confined to his house through illness.

Fred Horton, plumber, Metcalf street, Montreal, is sick with typhoid fever.

The Moffatt Feed - Water Heater and Purifier Co., Limited, of Woodstock, Ont., has been incorporated.

Mr. Denman, late of Denman & Ogilvy, Montreal, has taken Mr. Bethune as a partner, the firm now being Denman & Bethune.

E. S. Coppins, plumber and gas-fitter, St. Thomas, Ont., has removed from the Imperial Bank block to 373 Dundas street, in that city. Mr. Coppins has found it necessary to make this change in consequence of his increasing trade.

Henry Cargill & Son, sawmillers, Cargill, Ont., intend purchasing an electric dynamo, which will be used for supplying electric light for Cargill, for the sawmill, factory, and residence of Cargill & Son, and for C. W. Keeling's general store and L. Bowman's hotel.

There seems to be no decrease of activity in plumbing and heating circles in Toronto. The John Ritchie Plumbing and Heating Co., Limited, told **HARDWARE AND METAL** that on their last pay-day they handed out more money to their employes as wages than they have done any pay-day for 16 years.

PLUMBING AND HEATING CONTRACTS.

Tenders are out for the steam-heating in St. Charles Borrome College, Sherbrooke.

E. C. Mount has the contract for heating a greenhouse for D. Williamson, Dorchester street, Montreal.

Mashinter & Co., Toronto, have the contract for remodelling the plumbing in a residence on Jarvis street for J. A. Murray.

Blouin, Desforges & Latourelle, Montreal, have the following heating contracts: Mrs. Cadieux, Varennes, house; Dr. Mignault, Bluery street; Mr. Belair, merchant, St. Eustache, house. They are doing the plumbing and heating of the convent at

Antigonish, N.S., and are putting in water-pipes for a fire extinguisher in St. Eustache convent.

Wm. Skelly has the contract for heating and plumbing, and the London Electrical Co. for the electric wiring for the new exchange for The Bell Telephone Co., Limited, in London, Ont.

The Bennett & Wright Co., Limited, Toronto, have contracts for heating, ventilating, electric wiring and plumbing the new Evening Telegram building, Toronto; for steam-heating part of the Methodist Book Room; for plumbing in a large residence of John Morrison, on Jarvis street, Toronto, and for steam-heating of a cottage at the Muskoka Sanatorium, Gravenhurst, Ont.

The John Ritchie Plumbing and Heating Co., Limited, Toronto, have contracts for remodelling the plumbing in a residence on Wellesley place, for Wm. P. Sloan; for the installation of heating apparatus at Surrey Villa, Grenville street, Toronto, and for plumbing in the residences of R. J. Chisholm, W. S. Davies and John McKay, Oakville, Ont.

NON-FREEZING WATER PIPE.

The freezing of water and waste pipes during the winter season is often the cause of almost unbearable annoyance in many industrial establishments as well as households. In one of our German exchanges we find an interesting description of non-freezing water pipe devised in quite an ingenious way. The invention does not only aim at the prevention of the freezing of water, but also to provide an opportunity for its expansion by cold. Into the iron pipe as far as it is above ground, there is inserted a second narrower pipe of thin sheet tin or lead, which is filled with an elastic substance, such as rubber, for instance. This insertion remains unaffected by the ordinary pressure,

but if extreme cold should cause the water to freeze, the elastic insertion is compressed by so much as the volume of water is increased by freezing. In thawing the insertion expands again to its original circumference. The tin or lead around the insertion is for the purpose of preventing the water from assuming an unpleasant taste or odor. Water pipes provided with such an insertion withstood a cold test of 40 deg. centigrade, while others that were not provided with it burst every time.

BUILDING PERMITS IN TORONTO.

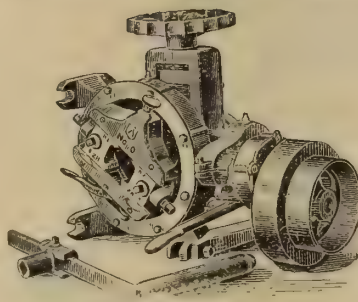
The demand for building permits in Toronto, which slackened off during October, commenced with renewed activity on Tuesday and Wednesday, this week. Permits have been issued to H. C. Stevens, for a two-storey and attic residence at 147½ Dunn avenue, to cost \$2,500; to Mr. Davison, for a two-storey and attic residence on Simpson avenue, near Broadview avenue, to cost \$1,300—J. F. Brown, architect; to W. G. Harris, for a three-storey and basement warehouse and factory at 17 William street, to cost \$4,500; to The T. Eaton Co., Limited, for a five-storey brick, stone and iron factory on Albert street, to cost \$21,000, Robt. McCallum, architect; to C. A. Masten, for a two-storey brick residence at the corner of Lowther and Bedford avenues, to cost \$4,500, Ed. Smith, architect; to Wm. Scott, for a two-storey and attic brick residence at 56 Cowan avenue, to cost \$2,000, H. R. Barber, architect; to J. B. Smith & Sons, for a three-storey brick addition to the factory at the corner of Wellington street and Strachan avenue, to cost \$3,000, W. Miller, architect; to the Western Canada Loan & Savings Co., for a two-storey store and apartments at 411 Yonge street, to cost \$2,000, Vaux Chadwick, architect; to E. R. C. Clarkson, for a similar structure at 411½ Yonge street.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.



No. 0 Threading Machine, with power attachment.

THE ARMSTRONG MFG. CO.

New York Office:
139 Centre Street

Bridgeport, Conn.

PRICES ON PLUMBING GOODS.

RESPECTING the publication of prices of plumbing supplies by trade journals, the writer, like many other kickers, feels constrained to exercise his football propensities to the extent of administering "one" to the subject from the standpoint of a plumber who believes such publication to be an advantage to the trade. Those who oppose such publication contend that; as the consumer has access to trade papers, he can and will inform himself as to the costs of these goods, and will, therefore, be in a position to dispute the plumber's bill. The writer is of the opinion that wherever there exists an individual so aggressively frugal as to search through the pages of a borrowed or pilfered (he won't buy one) trade journal for the express purpose of learning just what the plumber pays

for the supplies he furnishes, that individual will obtain the knowledge he seeks, even if it is not published by any trade journal.

The rendering of itemized bills and quoting the different articles at discounts is a practice the plumber should never indulge in if he wishes to keep his customers ignorant of the cost of the materials he furnishes. When the customer finds certain of his supplies quoted at a discount, it naturally arouses his curiosity to know what further discount the plumber receives, and, if an opportunity occurs, he may look the matter up. It is far better to give the net price of each article, or, better still, to give the net price of all supplies furnished in a lump sum. A bill of this kind will satisfy the average customer, and not place any temptation in his way to pry into the plumber's secrets. Of course, it may sometimes be

necessary to render an itemized bill if a customer prefers it, but, even then, it is possible to make the bill out in such a manner that the customer, even though he has seen a published list, will not know that the supplies in his bill are the same as quoted.

By prefixing or affixing to each article in the bill a word or words relating to size, style or quality he will be led to believe the prices he has seen quoted were on a different grade of goods. Or the name of the article could be changed from that used in giving market quotations. A very little change is sufficient to deceive the uninitiated. This is not trickery, unless resorted to for the purpose of obtaining an exorbitant price, but a perfectly legitimate method of protecting one's interests and one it would pay the plumber to adopt.—Metal Worker.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

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Write today for a free copy of our interesting books "Inventors Help" and "How you are swindled." We have extensive experience in the intricate patent laws of 50 foreign countries. Send sketch, model or photo for free advice. **MARION & MARION, Experts,** New York Life Building, Montreal, and Atlantic Building, Washington, D. C.

T. L. Paton.

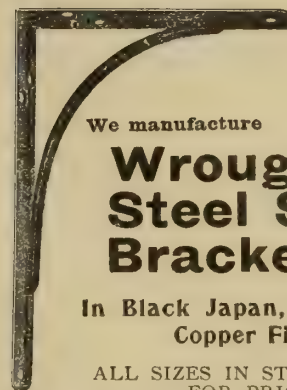
30 St. Francois Xavier St., MONTREAL.
Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
Wholesale trade only.

IRON PIPE and FITTINGS

Valves and appliances for

STEAM and HOT WATER HEATING.**THE JAS. MORRISON BRASS MFG. CO.**

TORONTO Limited



We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and Copper Finish.

ALL SIZES IN STOCK. SEND FOR PRICES.

H. R. IVES & CO., Montreal.**ACETYLENE GAS FITTINGS**

We have the largest supply in Canada on hand of

*Pipe, Fittings,**Brackets,**For Acetylene Gas**Get us to quote you**Burners, Etc.***Mechanics Supply Co.**

96 St. Peter Street

QUEBEC

22-24 St. James St.

MANITOBA MARKETS.

WINNIPEG, Nov. 1, 1898.

WEATHER, on the whole, has improved, and threshing is proceeding through the country, but business is still abnormally quiet, owing to the late bad weather, and the bad roads hindering the delivery of wheat even where it has been threshed.

The only article showing activity is glass which has again advanced, and is now quoted at \$2 per 50-foot box. The feeling seems to be in favor of a still further advance.

Local linseed mills cannot get a supply of seed to keep them running at present, and the market for this commodity is remarkably firm. With the improved weather, great energy is being put into the finishing of buildings, and generally clearing up of building operations for the winter. All disadvantages have some compensation attached. The delay in getting the building completed, as to exterior, will leave more finishing to be done during the winter, and, as this is work which can be done in the coldest weather, many of our carpenters will have abundant work all winter.

R. A. Lister, the Alexandra creamery separator manufacturer, is in the city checking over the work of the branch established here two years ago. He reports the amount of business done as much larger than he expected, 1,000 machines being sold during the past season, but complains that the system of long credit, long distances to be traveled, and amount of actual educative work to be done, has materially reduced his

profits. He is, however, hopeful of recouping himself later on.

Prices of general hardware are unchanged, but a change in some lines will probably take place next week. Rope of all kinds is down 1c. per lb.

Prices are as follows:

Barb wire, 100 lb.	\$2 40
Plain twist wire and staples.	3 00
Oiled annealed wire.	10 2 80
"	11 2 90
"	12 3 00
"	13 3 15
"	14 3 30
"	15 3 65
Wire nails, 30 to 60 dy, keg.	2 35
" 16 and 20	2 40
" 10	2 45
" 8	2 50
" 6	2 65
" 4	2 75
" 3	3 00
Cut nails, 50 and 60 dy.	2 15
" 20 to 40	2 20
" 10 to 16	2 25
" 8	2 30
" 6	2 35
" 4	2 60
" 3	2 85
" 3 fine	3 15
Horse nails, 45 per cent. discount.	
Horse shoes, iron, light, medium and heavy, keg.	3 90
Snow shoes.	4 15
Steel, light.	4 15
" extra light.	5 75
Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	
Tool steel, Black Diamond, 100 lbs.	8 00
Jessop	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge.	3 75
28 gauge.	4 00
Galvanized American, 16 to 24 gauge.	4 00
26 gauge.	4 25
28 gauge.	4 50
Genuine Russian, lb.	12
Imitation	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge.	7 50
28 gauge.	8 50
Tin plate, 1C charcoal, 20 x 28, box	8 50
" IX	10 50
" IXX	12 50
Canada plate, 18 x 21 and 18 x 24	3 25

Sheet zinc, cask lots, 100 lbs	6 50
Broken lots.	7 00
Pig lead, 100 lbs.	4 25
Wrought pipe, black, 1/4 inch.	2 50
" 3/8 inch.	2 75
" 1/2 inch.	3 00
" 3/4 inch.	4 00
" 1 inch.	5 00
" 1 1/4 inch.	7 00
" 1 1/2 inch.	8 50
" 2 inch.	11 50
" Over 2 inch.	65 p.c.
Rope, sisal, 7-16 and larger.	11 50
" 3/4 and 5-16	12 00
Manilla, 7-16 and larger	12 50
" 3/4	13 00
" 1/2 and 5-16	13 50
Cotton, all sizes, lb.	15
Axes, per box	\$5.50 to 8 00
Screws, flat head, iron	85 p.c.
Round	77 1/2 p.c.
Flat " brass.	80 p.c.
Round "	72 p.c.
Bolts, carriage	60 p.c.
Machine	60 p.c.
Tire	55 p.c.
Sleigh shoe.	65 p.c.
Rivets, iron.	50 p.c.
Copper, No. 8, lb.	28c.
Spades and shovels.	40 p.c.
Harvest tools.	60 to 60-10 p.c.
Axe handles, turned, s. g. hickory, doz.	\$2 50
No. 1.	1 50
No. 2.	1 25
Octagon extra.	1 65
No. 1.	1 25
Linseed oil, raw, per gal.	58
" boiled	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol.	25 p.c.
" military	15 p.c.
American R.F.	35 p.c.
C.F. pistol.	5 p.c.
C.F. military.	Net
Loaded shells, Robin Hood, M	\$20 00
Eley's 12 gauge, M.	16 00
American, M.	16 20
Shot, Ordinary, per 100 lbs	6 25
Chilled.	6 75
Powder, F.F., keg.	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed.	70 and 30 p.c.
Granite ware, according to quality.	50 to 60 p.c.

D. T. Eck, harness dealer, Springfield, Ont., intends erecting a new store early next spring.

BUREAU OF BUSINESS WANTS.

SITUATIONS VACANT AND WANTED.

FIRST-CLASS MACHINIST WANTED immediately; experienced in the building of light and accurate machinery; good opportunity for right man. Clement & Clement, Street Railway Chambers, Toronto.

WANTED—YOUNG MAN TO RUN PIPE-cutting machine; references required. W. McGuire & Co. Toronto.

A YOUNG MAN PLUMBER OR PIPE-fitter, with \$200 to invest, can hear of a good thing. Box 630, Telegram, Toronto.

PLUMBERS WANTED. J. W. QUIPP & CO., 2686 St. Catherine street, Montreal.

WANTED IMMEDIATELY—A MACHINIST—one used to fine work and must be good tool maker. Apply to Dominion Wire Mfg. Co., Lachine.

BOY WANTED—ONE USED TO HARD-ware preferred; steady job. Moses, 738 Queen east, Toronto.

BLACKSMITH WANTED—TO GO TO THE country; good general hand; one used to shoeing horses. Apply, after 7 p.m., to Mr. Campbell, 27 Rivard street, Montreal.

A GOOD, SMART MACHINIST WANTED to run a 42-inch engine lathe. Apply to Royal Elec. Co., Montreal.

EXPERIENCED HARDWARE CLERK wanted at once. Box 763, Telegram, Toronto.

ONE OR TWO FIRST-CLASS PLUMBERS and steamfitters wanted. Apply to John Stewart, 4222 St. Catherine street, Montreal.

FIRST-CLASS SALESMAN WANTED to sell cash registers. 1782 Notre Dame street, Montreal.

MOULDER WANTED—FOR JOB WORK—at once. Apply M. O'Keefe, Chesterville, Ont.

ENGINEER WANTED—WAGES \$6 PER week. 23 Cote street, Montreal.

BOY WANTED. FENCE WORKS, 73 ADE-laide street west, Toronto.

PROPERTY FOR SALE OR WANTED.

TO LUBRICANT MANUFACTURERS—Charles Henry Ridsdale, of Hutton, Guisborough, and Alfred Jones, of Newport Hill, Middlesborough, York, England, hereby give notice that the right to manufacture the lubricant under patent 39175 can be obtained at a reasonable price on application to themselves or to W. P. Thompson & Co., patent solicitors, Liverpool, England.

ILLINOIS CUTLERY CUTS!



No. 1 Bread Knife Set.

One each, Bread, Cake and Paring Knife, malleable handles firmly riveted to steel blades, will cut hot or cold bread without crumbs. Each set in paper box.

PAT. AUG. 15. 1893.



Combined Grater and Slaw Cutter.

The only one; slicer and grater are detachable; slicer sheet made of Apollo galvanized iron with steel cutting blades. It will slice cabbage apples, potatoes, cucumbers, onions, turnips, beets, and everything in the vegetable line. It is a time and labor saver; is used in the kitchen every day.



Famous Parer and Slicer.

Polished beech handle, nickel plated steel blade and ferrule, takes off an even peel, easily sharpened and cleaned. The best paring knife for potatoes, apples, pears, turnips, quinces and firm peaches. Write for our catalogue, Sole Canadian Agents, Squire, Watson & Co., Montreal, Canada; Chas. E. Santo, London, Canada.

ILLINOIS CUTLERY COMPANY,
Decatur, Ill., U. S. A.

For Sale. In the up-town residential part of Montreal, a well stocked Hardware Store, doing a good retail coal oil trade, and a good plumbing jobbing business in connection. Well established. A splendid chance for a live man with a little capital. Address, MacLean Publishing Co., Montreal. (46)



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Manufacturers of
All sizes of Hot Pressed
Nuts, Square and Hexagon

Buy the Best.



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Star Brand Cotton Rope
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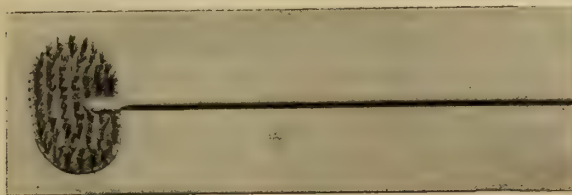
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THE OAKVILLE
BASKET CO.

McLaskill, Dougall & Co
Fine Varnish & Japan
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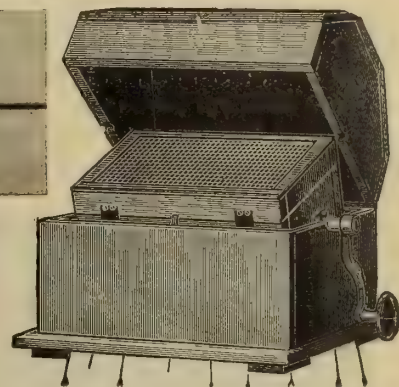
Steel Block—Steel Brush—Steel Handle—ALL STEEL.

Also of.. **Champion Cinder Sifters**

The best sifter in the market. No dust—easy to work. Never gets out of order, and cleans cinders perfectly. Send for prices.

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THE FAVORITE

is made in three calibres

22, 25 and 32 Rim Fire

and is the best low-priced rifle made. Highest quality of work. Accuracy guaranteed. Weight, 4½ lbs.

No. 17, Plain Sights— List \$ 8.00
No. 18, Target Sights— " 11.50
No. 19, Lyman Sights— " 12.00



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At Trade Discounts.

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**AUTOMATIC
REVOLVER.**

NEW Automatic shell extracting,
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Weighs 12 oz. Rebounding lock. 32
caliber. 5 shot.

Made with shorter barrel for bicycle
use.

The most perfect small pistol made.



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Arms Co.**

Manufacturers of
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Forehand Guns

**Worcester,
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BY USING THE BEST MATERIALS.
THESE CAN BE OBTAINED
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Sole Agents for the Dominion for

Manufacturers
of...

White Lead and Coloured Paints

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Japan Coach Colors and Varnishes

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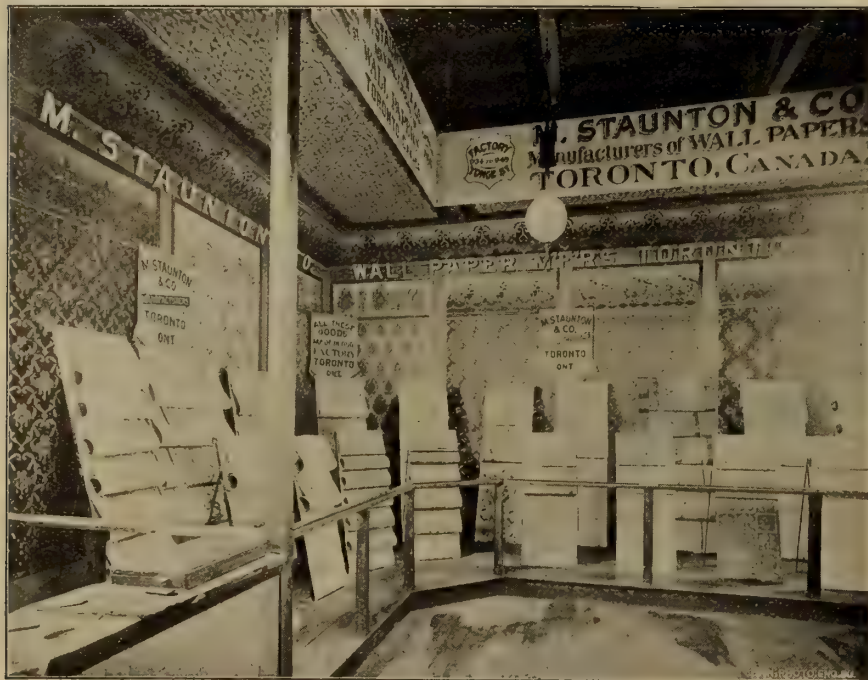


CANADIAN IRON AND STEEL.

THE production of pig iron in the Dominion of Canada was first ascertained by the American Iron and Steel Association for the year 1894, when it amounted to 44,791 gross tons. In 1895, according to The Iron and Steel Bulletin, the production amounted to 37,829 tons,

31, 1897, the unsold stocks of pig iron in Canada, which were in the hands of the manufacturers or their agents, amounted to 20,265 tons, as compared with 29,320 tons on December 31, 1896, and 17,800 tons on December 31, 1895. Of the unsold iron on hand on December 31, 1897, about one-third was charcoal pig iron, the remainder

The production of basic and acid open-hearth steel ingots in 1897 was 18,400 gross tons, against 16,000 tons in 1896, and 17,000 tons in 1895. Of the total production of open-hearth steel in 1897, a little less than three-fifths was made by the acid process. The production of open-hearth steel rails in 1897 amounted to 500 tons, against 600 tons in 1896; structural shapes, 4,300 tons, against 4,540 tons in 1896; cut nails made by rolling mills and steel works having cut nail factories connected with their plants, 202,939 kegs of 100 lb., against 196,071 kegs in 1896; plates and sheets, about 2,000 tons, against 1,820 tons in 1896; all other rolled products, excluding muck and scrap bar, blooms, billets, sheet bars, etc., 61,161 tons, against 50,290 tons in 1896. Changing the cut nail production from kegs of 100 lb. to gross tons of 2,240 lb., the total quantity of all kinds of iron and steel rolled into finished products in the Dominion in 1897, excluding muck and scrap bar, billets, etc., amounted to 77,021 tons, against 75,043 tons in 1896, and 66,402 tons in 1895. The total number of rolling mills and steel works in Canada on December 31, was 17. Of this number, at least three were idle during the whole of 1897.



Wall Paper Exhibit of M. Staunton & Co., at Toronto Exhibition.

and in 1896, to 60,030 tons. In 1897, the production was 53,796 tons, of which a little over 8,000 tons were charcoal iron, the remainder being coke iron. The production of Bessemer pig iron in 1897, included in the above figures, was 11,550 tons, all made by one company. The total production of pig iron in 1897 as compared with that of 1896 shows a decrease of 6,234 tons. On December

being coke iron. The consumption of limestone by the Canadian furnaces in 1897 was 27,957 tons.

The production of crude steel and of all kinds of iron and steel rolled into finished forms in Canada, in 1897, is given approximately below, full reports, or careful estimates, having been received by The Bulletin from all the manufacturers in the Dominion.

WANT TO MAKE GLASS IN CANADA.

The Mayor of Toronto has received a letter from Pierre Mahy, a window glass blower, of Rensart, Belgium, stating that a group of skilled window glass workers from Belgium desire to migrate to Canada, and work at their trade here. Besides manufacturing window glass, all sorts of fluted and cut glass could be produced. The proposed superintendent is said to be one of the best glass makers in Europe. The offer has been given to R. J. Fleming, assessment commissioner, for consideration.

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Repair Plates for all makes of Stoves, Ranges and Heaters

of the late firms of J. M. Williamson & Co., Hamilton; Hart, Smith Mfg. Co., Belleville; Toronto Stove Mfg. Co., Toronto; John Findlay & Son, Montreal, and all bearing our name.

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Heavy Hardware and Metal Broker
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British Manufactured Castor Oil's
GUARANTEED PURE.

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CHALCRAFT SCREW CO. BRANTFORD, ONT.

We are the Oldest and Largest Manufacturers of

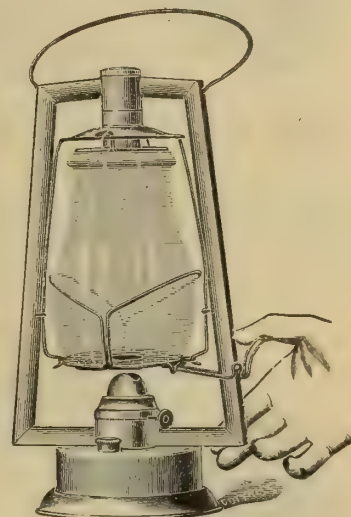
SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The ...

John Morrow Machine Screw Co.
Ingersoll - Ontario.

The Best Made Anywhere.



E. T. Wright & Co.

Manufacturers

HAMILTON, ONT.

ABOUT HORSE-NAILS:

Two-thirds of one cent represents, very fairly, the total amount a farrier will apparently save on the cost of nails consumed in shoeing a horse, by using the cheapest made, and lowest priced horse nails sold in Canada, as compared with the cost of the best obtainable, viz.: the old and reliable "C" brand.

A 25-lb. box of No. 8 "C" oval horse nails contains about 2,500 nails, and this quantity will be sufficient to shoe seventy-eight horses, allowing 32 nails to each full set of shoes. The farrier will receive at least one dollar and twenty-five cents as his charge for each full set of shoes; in some localities more. The total value of his services therefore, for shoeing 78 horses, will, at current rates, average about one hundred dollars, on which amount it is possible he can reduce the cost of material used about fifty cents, by substituting a box of "cold process" or other cheaply made horse nails, which are made from American Steel Wire Rods. **This reduction in cost represents about two-thirds of one cent on each set of shoes; or, say, one-half per cent. on the value of the work when done!** We do not believe if these facts were made known that any intelligent farrier, who takes a pride in doing only the best work, would hesitate to pay such a trifling advance as two-thirds of a cent for the "C" brand nails, which are not only the best in Canada, but not surpassed by any other maker in the world. We have made and sold horse nails only in Canada for the last 33 years, always using the best Swedish Charcoal Iron Nail Rods as our material, and by our process of manufacture producing as perfect a nail as possible in quality, pattern and finish. A reduction in cost of manufacture by using other than best Swedish material, or the "hot-forged" process, is affected at the expense of quality. Our nails will be found to prove tougher, and hold the shoe on longer than others; therefore more economical to use. We believe it is false economy, and therefore poor buying, to purchase "cheap" nails. The best is always the cheapest. Every nail we sell you under the "C" brand is fully warranted to be perfect; no risk therefore in buying, nor trouble in selling them.

You can do all your horse nail business with the "C" brand. You can't do it with any other. Why keep two stocks on hand? Send us your orders either direct, or through your regular dealer, always insisting upon having the "C" brand, and refusing all substitutes. Our name in full and "C" brand on each box.

PRICES AND SAMPLES ON APPLICATION.

CANADA HORSE NAIL COMPANY

MONTREAL.

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Pumps, Casing, Tubing
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Piano Stool Feet, Novelties, etc. Bicycle Work
a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.We have added a large moulding shop to our establish-
ment, and are making a specialty of fine castings.**PARIS ELECTRO PLATING CO., Paris, Ont.**
Quotations gladly given.**STEEL LETTERS
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"Diamond" Brand Horse Shoes

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TIRE UPSETTERS
WILL UPSET TIRES**Some machines sold as Upsetters will not.
Perhaps you make as much money on the
sale of a useless Upsetter as on a good
one, but your customer does not. He
don't want a machine because it is called
an Upsetter; he wants a machine to upset
tires. Sell him one of ours.

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"New Process" OIL HEATERSHave a clean record. There are more of these Heaters in use than any other Heater
made. They sell themselves and stay sold. General agents for Canada**THE THOS. DAVIDSON MFG. CO., Limited, MONTREAL.**

Manufacturers of

Cotton, Jute, Hemp and Flax
Twines and Cordage
Mill Banding and Driving Ropes
Chalk and Fishing Lines
Seine Twine, Hammocks, Tennis
Cricket and Fly Nets
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Plough Lines, etc.**HUTCHISON, SHURLY & DERRETT**

1078 BLOOR STREET WEST, TORONTO.

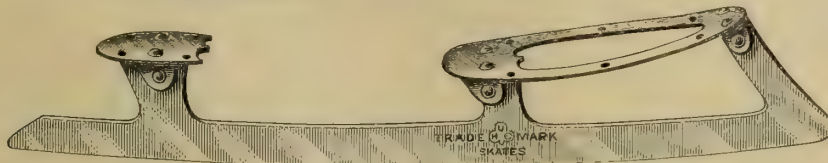
UNION HOCKEY SKATES



These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH**, which is guaranteed. **WEIGHT**, which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT** and **HANG** for ease of stroke and cutting corners.



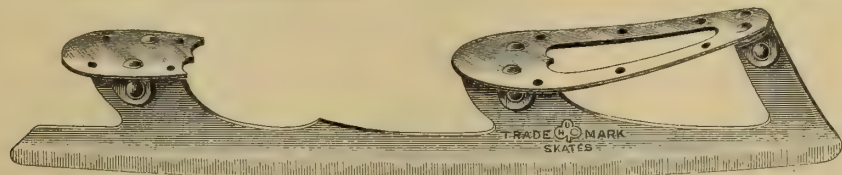
Plain Runner, Straight.



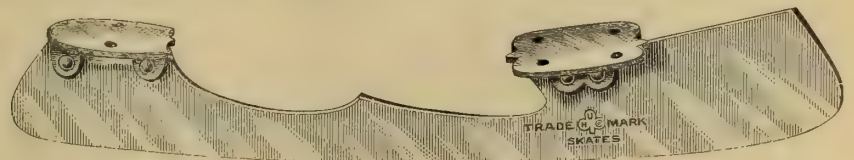
Plain Runner, Curved Blade.



Ribbed Runner.

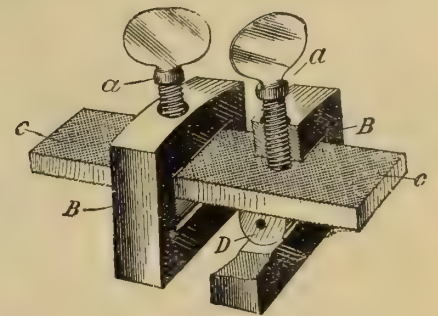


Ribbed Runner, Curved or Rocker Blade, for Ladies.



Victoria Club Skates.

UNION SKATE SHARPENER



UNION CLUB SKATES

**THESE
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MADE IN
ALL VARIETIES
OF FINISH AND
QUALITY**

**THE LARGEST
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LINE ON THE MARKET**

Write for circular for full information for importing or we will tell you where they may be obtained in Canada.

UNION HARDWARE CO.

New York Office:

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TORRINGTON, CONN., U.S.A.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
 Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
 Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
 Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
 Canadian, common, 7½ per cent.
 Brass Shot Shells, 55 and 10 per cent
 Primers, Dom., 30 per cent.
 Wads.

Best thick white felt wadding, in ½-lb 1 00
 Best thick brown or grey felt wads, in ½ lb. bags. 0 70
 Best thick white card wads, in boxes of 500 each, 12 and smaller gauges 0 99
 Best thick white card wads, in boxes of 500 each, 10 gauge. 0 35
 Best thick white card wads, in boxes of 500 each, 8 gauge. 0 55
 Thin card wads, in boxes of 1,000 each, 12 and smaller gauges. 0 20
 Thin card wads, in boxes of 1,000 each, 10 gauge. 0 25
 Thin card wads in boxes of 1,000 each 8 gauge. 0 25
 Chemically prepared black edge grey cloth wads, in boxes of 250 each— Per M.
 11 and smaller gauge. 0 60
 9 and 10 gauges. 0 70
 7 and 8 gauges. 0 90
 5 and 6 gauges. 1 10
 Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
 11 and smaller gauge. 1 15
 9 and 10 gauges. 1 40
 7 and 8 gauges. 1 65
 5 and 6 gauges. 1 90

Anvils.
 Per lb. 0 10 0 12½
 Anvil and Vice combined, each. 4 50
 Wilkinson & Co.'s Anvils. lb. 09 0 09½
 Wilkinson & Co.'s Vices. lb. 09½ 0 10

Augers.
 Gilmour's, discount 65 p.c. off revised list.
 Hollow Stearn's, per dozen. 13 00 20 00
 Adjustable Stearn's, each. 4 50 6 50
 Post-hole, Vaughan's, each. 60 90
 Excelsior, Jennings', discount 50 per cent.

Awls.
 Sewing, per gross. 0 65 1 59
 Pegging, " 0 65 1 25
 Brad, " 0 85 1 60
 " handled, per gross. 3 60 30
 Saddler's, per gross. 0 45 1 60

Awl Hafts.
 Patent Peg, per gross. 7 25 8 00
 " Sewing, per gross. }

Awl and Tool Sets.
 Millar's Falls, per doz. 2 80 3 30

AXES.
 Splitting Axes. 5 25 5 50
 Chopping Axes—
 Single List, per doz. 6 00 12 00
 Double List, " 11 00 18 00
 Bench Axes, 40 and 10 p.c.

Axle Grease.
 Per gross. 6 00 13 00

Bath Tubs.
 Zinc, discount. 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list
 Boxing extra

Anti-Friction Metal.
 "Tandem" A. per lb. 0 19
 " B. " 0 16
 " C. " 0 10½
 " Monarch " 0 21
 " 2. " 0 15
 " 3. " 0 10
 " Canadian " 0 08½
 Magnolia Anti-Friction Metal, per lb. 0 25
 No Name Metal. " 0 15
 Mystic Metal. " 0 10
 F. O. B. New York or Chicago.

Bells.
 Hand.
 Brass, 60 per cent.
 Nickel, 55 per cent.

Door.
 Gongs Sargent's. 5 50 8 00
 Peterboro', discount 50 per cent.

American make, discount 66½ per cent.
 Canadian, discount 45 and 50 per cent.

Farm.
 American, each. 1 25 3 00
 House. 0 35 0 40
 American, per

Bellows.
 Hand, per doz. 3 35 4 75
 Moulded, per doz. 7 50 10 00
 Blacksmiths', discount 60 per cent.

Beltling.
 Extra, 50 per cent.
 Standard, 59 and 10 to 50, 10 and 5 per cent.
 Agricultural, 60 and 10 p.c.

Bench Stops.
 Per doz. 5 00 6 00

Bits.
 Auger.
 Gilmour's, discount 65 and 5 per cent.
 Excelsior, discount 60 per cent.
 Rockford Common, 70 to 70 and 10 per cent.
 " Perfection, 50 and 10 per cent.
 Jennings' Gen., net list to 5 p.c. discount.

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 Gilmour's, 47½ to 50 per cent.

Expansive.
 Clark's 40 per cent.
 Excelsior, 10 per cent.
 Gimlet.
 Clark's, per doz. 0 65 0 90
 Diamond, Shell, per doz. 1 00 1 50
 Nail and Spike per gross. 2 25 5 20

Blind Rollers.
 Annex, per doz. 1 25 1 75
 Mascott, " 1 35 1 85
 Erminie, " 1 00 0 90

Blind and Bed Staples.
 All sizes, per lb. 7½ 0 12

Bolts.
 Carriage, dis. 60 and 10 to 70 p.c.
 Tire, dis., 70 and 5 per cent.
 Stove dis., 70 per cent.
 Elevator, dis., 35 to 40 per cent
 Machine, dis., 70 p.c.
 Coach Screws, dis. 70 and 10 p.c.
 Plough bolts, 60 p.c.

Boring Machines.
 Complete, with augers, each. 5 00 7 50

Braces.
 Barber's. 6 00 7 75
 Barber's Ratchet. 10 00 11 00
 Farmers. 2 00 2 75
 Millar's Falls. 15 50 29 00

Brackets.
 Shelf.
 Japanned Canadian, per doz. 0 50 3 40
 pairs. 0 85 3 20
 Berlin Bronze Canadian. 0 85 3 20

Broilers.
 Light, dis. 65 to 67½ per cent.
 Reversible, dis., 65 to 67½ per cent.
 Vegetable, per doz., dis. 37½ per cent.
 Hens, No. 8. 6 00
 Hens, No. 9. 7 00
 Queen City. 7 50 0 00

Butchers' Cleavers.
 German, per doz. 6 00 11 00
 American, per doz. 12 00 20 00

Building Paper, Etc.
 "Dominion Brand" Saturated Felt, per 100-lb. \$1 40
 Dry, Good Luck, per roll. 0 40
 Tanned, Good Luck, per roll. 0 27
 "Shield Brand," Dry, per roll. 0 35
 " " Tanned, per roll. 0 35
 Coal Tar, per barrel. 3 75
 Pitch, per 100-lb. 0 60

Butts.
 Brass.
 Wrought Brass, dis., 17½ p.c. revised list.

Cast Iron.
 Loose Pin, dis. 70 per cent.
 Wrought Steel.
 Fast Joint, dis. 70, 10 and 5 to 75 p.c.
 Loose Pins, dis. 70, 10 and 5 to 75 p.c.
 Berlin Bronzed, dis. 70, 70 and 5 per cent.
 Gen. Bronzed, per pair. 0 40 0 65

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 Acme, per gross. 9 00 10 00
 Sardine Scissors, per doz. 3 75 4 50

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 American, per doz. 1 00 1 50
 Bullards, per doz. 6 50

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 World, " 21 75
 Daisy, " 24 00
 Star " 18 00
 Crown Jewel, per doz. 29 00
 Grand Rapids, " 24 00 33 00

Cartridges.
 (See Ammunition.)

Castors.
 Bed new list, dis. 55 to 57½ per cent.
 Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
 Nos 31 and 32, per gross. 8 50 50

Cement.
 Canadian, Portland. 2 50
 English. 2 85
 Belgium. 2 75
 Canadian hydraulic. 1 20
 Figures are for barrel lots.

Chalk.
 Carpenters Colored, per gross. 0 45 0 75
 White lump, per cwt. 0 60 0 65
 Red. 0 05 0 06
 Crayon, per gross. 0 14 0 18

Chisels.
 Socket, Framing and Firmer.
 American, dis. 75 per cent.
 Canadian, dis. 40 and 5 per cent.
 Tanged firmer, per doz. 0 85 4 00

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 Daisy or Leader, dis. from stock or factory
 60, 10 and 5 per cent.

Clamps.
 Judds', dis. 20 per cent.
 Stearn's, per doz. 3 00 10 00

Clips.
 Axle dis. 65 per cent.

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 Washout, plain. 3 25
 " embossed. 3 50

Coffee Mills.
 Box. 3 60 13 00
 Side. 3 60 4 00
 Enterprise, No. 0. 1 35
 No. 2. 70

Compasses, Dividers, Etc.
 American, dis. 62½ to 65 per cent

Cradles, Grain.
 Canadian, dis. 20 per cent.

Dies.
 Hart Mfg. Co. (pipe es), (Amer. list), dis 40 per cent.
 Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
 Torrey's Rod, per doz. (15 p.c.) 2 00
 Coil, per doz. 0 88 1 60
 English per doz. 2 00 4 00

Draw Knives.
 American, dis. 70 and 10 per cent.
 Canadian, dis. 25, 50 and 10 per cent.

Drills.
 Hand and Breast
 Millar Falls, per doz. 16 00 51 50
 P. S. & W., dis. 40 per cent.

DRILL BIT.
 Morse, dis. 37½ to 40 per cent.
 Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
 Stovepipe.
 Per doz. 85 1 70

FAWCETS.
 Cork Lined, per doz. 0 30 0 35
 Wine, per doz. 1 30 3 25
 Star, " 2 80 3 90
 Fenn's Corkstops, No. 2, per dozen. 1 70
 Petroleum, per doz. 4 50 6 50

FILES.
 Globe File Mfg. Co.'s dis., files, 50 and 10 to 70 per cent.
 Black Diamond, 50 and 10 to 60 per cent.
 Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
 Nicholson File Co., 50 and 10 to 60 per cent.
 Jowitt's, English list, 25 to 27½ per cent.
 American, 60 to 60 and 5 per cent.
 Great Western, 60 and 10 per cent.
 Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.

FLUTING MACHINES.
 Each. 0 60 2 00

FORKS.
 Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS.
 Ice Cream.
 Gem from \$1.25 to \$7 net.
 White Mountain, 1 to 25 qt. 1 35 13 50
 Arctic, dis. 50 p.c.

FRUIT PRESSES.
 Hens', per doz. 3 25 3 50
 Shepard's Queen City, dis. 15 per cent.

FRY PANS.
 Acme, dis. 65 to 67½ per cent.

GAUGES.
 Marking, Mortise, Etc.
 Stanley's, dis. 50 to 55 per cent.

Wire Gauges.
 Winn's, Nos. 26 to 33, each. 1 65 2 40

GLASS.
 Window.
 Box Price.

Star.
 Double Diamond.
 Under 25. 1 80 3 40 5 25
 26 to 40. 1 95 3 70 5 75
 41 to 50. 4 10 6 50
 51 to 60. 4 40 7 75
 61 to 70. 4 70 8 50
 71 to 80. 5 10 9 50
 81 to 85. 5 70 10 50
 86 to 90. 6 70 12 75
 91 to 95. 11 50
 96 to 100. 16 50
 101 to 105. 18 50
 106 to 110. 22 50

GLUE POTS.
 Tinned, each. 0 30
 Eoamelled each. 0 55

GRINDSTONE FIXTURES.
 Per doz. 3 60 4 00

HALTERS.
 Rope, ¾ per gross. 8 25 8 50
 " ½ " 9 25 9 50
 " ¼ " 11 00 11 25
 Leather, 1 in., per doz. 3 87½ 4 00
 " 1½ in. " 5 15 5 25
 Web, — per doz. 1 87 2 40

HAMMERS.
 Nail
 Maydole's, dis. 5 to 10 per cent. Can., dis 25 to 27½ per cent.

Tack.
 Magnetic per doz. 1 10 1 20
 Sledge.
 Canadian, per lb. 0 07½ 0 08½

Ball Pean.
 English and Can., per lb. 0 22 25

HANDLES.
 Axe, per doz., net. 1 50 2 60
 Store door, per doz. 1 00 1 50
 Chest, per doz. pairs. 0 40 2 50

Chisel.
 Firmer, per gross. 3 00 4 50
 Socket Firmer, per gross. 3 25 8 00
 Socket Framing, per gross. 3 75 5 00

Fork.
 C. & B., dis. 45 per cent. rev. list.

Hoe.
 C. & B., dis. 45 per cent. rev. list.

Saw.
 American, per doz. 1 00 1 25

Plane.
 American, per gross. 3 15

Hammer and Hatchet.
 Canadian, 45 per cent.

Cross-Cut Saw.
 Canadian, per pair. 0 13½ 0 20

HANGERS.
 Door, 4 and 5 inch, per pair. 0 40 0 50
 Lanes, 62½ per cent.

HATCHETS.
 Canadian, dis. 40 to 42½ per cent

HINGES.
 Blind, Parker's, dis. 60 and 10 to 65 per cent.
 " Shepard's Noiseless, dis. 60 per cent.
 " Buffalo, dis. 60 to 70 p.c.
 Light T and strap, 70 and 10 p.c.
 Heavy, per lb. 0 03¾ 0 04¾
 Screw hook and hinge—
 6 to 12 in., per 100 lbs. 3 15
 14 in. up, per 100 lbs. 2 35

Per doz. set.
 Screw, Eureka. 1 13 1 80
 Gate, Clark's. 1 50 2 20
 " Shepard's, dis. 50 to 60 per cent.

Per gro. pair.
 Spring. 9 50
 " Shepard's Samson. 1 20

HOES.
 Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
 Planter, per doz. 4 00

HOOKS.
 Cast Iron.
 Bird Cage, per doz. 0 50 1 10
 Clothes Line, per doz. 0 27 0 63
 Harness, per doz. 0 72 0 88
 Hat and Coat, per gross. 1 00 3 00
 Chandelier, per doz. 0 50 1 00

Wrought Iron.
 Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
 Hat and coat, dis. 60 to 60 and 10 p.c.
 Belt, per 1,000. 0 60 0 70
 Screw, bright, dis. 65 and 10 per cent

HORSE NAILS.
 "P.B.", dis. 50 p.c.
 "C" brand, 50 p.c. dis. } Oval head.
 "M" brand 50 p.c.
 Acadian, 50 and 20 p.c., countersunk head.

HORSE SHOES.
 F.O.B. F.O.B.
 Iron Shoes. Montreal Toronto*

Light medium and heavy. 3 15 3 25
Snow shoes 3 40 3 50
Steel Shoes.
 Light, all sizes. 3 35 3 45
 Extra light. 4 50 4 60
 Toe weight (steel). 5 50 5 60

*Al-o Hamilton, London, Guelph, St. John Halifax.

ICE PICKS.
 Star, per doz. 3 00 3 25

KETTLES.
 Brass spun, 7½ p.c. dis. off new list.
 Copper, per lb. 0 30
 American, 60 and 10 to 65 and 5 p.c.

KEYS.
 Lock, Can., dis. 50 p.c.
 Cabinet, trunk, and padlock,
 Am. per gross. 1 60

KNOBS.
 Door, japanned and N.P., per doz. 0 90
 Bronze, Berlin, per doz. 2 75 3 25
 Bronze Genuine. 6 00 9 00
 Shutter, porcelain, F. & L. screw per gross. 1 30 4 00

KNIVES.
 Claus, bread, cake, and paring knives, \$7.00
 doz. sets net. to 10 per cent.
 Christie, bread, cake, and paring knives, \$7.00
 doz. sets, with 10 p.c. off.
 Hay knives, spear point, L or T handle, 60
 10 and 5 per cent.
 Lightning, per doz. 6 50 8 40
 Heath's, \$7.75 net.

LADLES.
 Melting, per doz. 1 70 4 50

LEMON SQUEEZERS.
 Porcelain lined, per doz. 2 20 5 60
 Galvanized, " 1 87 3 85
 King, wood, " 2 75 2 90

King, glass,	4 00	4 50
All glass,	1 20	1 30
LINES.		
Fish, per gross.....	1 05	2 50
Chalk,	1 90	7 40
LOCKS.		
Canadian, dis. 50 p.c.		
Russell & Erwin, per doz....	1 75	7 50
Cabinet,		
Eagle, dis. 30 p.c.		
Padlock,		
English and Am., per doz....	50	6 00
Scandinavian,	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.		
Iron and Brass.		
Flat head, discount 25 p.c.		
Round Head, discount 20 p.c.		
MALLETS.		
Tinsmiths', per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.....	3 85	5 00
Caulking, each	1 60	2 00

MATTOCKS.		
Canadian, per doz.....	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.		
American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.		
American, per doz.....	0 42	2 35

MOLASSES GATES.		
Stebbia's Patent, dis. pre cent., 77½ per cent.		

NAILS		
Quotations are:	Cut.	Wire.
2d. and 3d.....	\$2 75	\$2 75
3d.	2 40	2 40
4 and 5d.....	2 15	2 15
6 and 7d.....	2 05	2 05
8 and 9d.....	1 90	1 90
10 and 12d.....	1 85	1 85
16 and 20d.....	1 85	1 80
30, 40, 50 and 6d. (base)....	1 75	1 75
Steel Cut Nails 10c. extra.		
Trade and finishing nails, special sizes, 80 p.c. from new list.		

NAIL PULLERS.		
German and American.....	1 85	3 50

NAIL SETS.		
Square, round, and octagon, per gross.....	3 38	4 00
Diamond	12 00	15 00

NETTING.		
Poultry, 67½ per cent. for imported, 55 per cent. for McMullen's.		

OIL.		
Canada refined oil (Toronto)....	0 14	
Carbon safety	0 16½	
American w. w.	0 17½	
Pratt's Astral.....	0 17	

OILERS.		
McClary's Model galvan. oil can, with pump, 5 gal., per doz.....	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.....	1 25	3 50
Brass,	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.		
Galvanized, per doz.....	1 85	3 00

PENCILS.		
Dixon's, per gross.....	1 00	4 25
Carpenter.....	2 25	3 60

PICKS.		
Per doz.....	6 00	9 00

PICTURE NAILS.		
Porcelain head, per gross.....	1 40	3 00
Brass head,	0 40	1 00

PIPE CUTTING MACHINERY		
Forbes Patent Die Stocks.—Curtis & Curtis, Mfrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to 2 in. R. & L.	\$ 50 00	
No. 38 Hand Machine, range 1½ to 4	100 00	
No. 55 Hand Machine, range 2½ to 6	175 00	

PLANES.		
Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.		
Wood, fancy Canadian or American, 37½ to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.		
Miscellaneous, dis. 25 to 27½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.		
English, per doz.....	2 00	5 00

PLIERS AND NIPPERS.		
Button's Genuine, per doz pairs, dis. 37½ 40 p.c.		
Button's Imitation, per doz....	5 00	9 00
German, per doz.....	0 60	2 60

PLUMBS AND LEVELS.		
S. R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		

POPPERS.		
Corn, square, per doz.....	1 35	2 00

PRUNING SHEARS.		
Per doz.....	4 00	5 50

PULLEYS.		
Hothouse, per doz.....	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning.....	0 35	2 50

PUMPS.		
Canadian cistern.....	1 40	2 25
Canadian pitcher spout.....	1 15	2 00

PUNCHES.		
Saddlers', per doz.....	1 00	1 85
Conductors',	9 00	15 00
Tinners' solid, per set.....	0 00	0 72
" hollow, per inch.....	0 00	1 00

RAIL.		
Barn door, per foot.....	0 02½	0 02½
Sliding door,	0 03½	0 03½
Lanes,	0 02½	0 02½

RAKES.		
Cast steel and malleable Canadian, list dis. 60 to 60, 10 and 5 p.c. revised list.		
Wood, 25 per cent.		

RASPS AND HORSE RASPS.		
New Nicholson horse rasp, discount 60 p.c.		
Globe File Co.'s rasps, 6½ and 10 to 70 p.c.		
Toronto File Co.'s rasps, 6½ and 10 to 70 p.c.		
Heller's Horse rasps, 5½ to 50 and 5 p.c.		

RAZORS.		
Geo. Butler & Co.'s, per doz..	8 00	18 00
Boker's,	7 50	11 00
Wade & Butcher's,	3 60	10
Arbenz's,	9 00	18
Theile & Quack's	7 00	12

RAZOR STROPS.		
Currier's, per doz.....	1 25	3 60

RIVETS AND BURRS.		
Carriage, Section, Wagon Box Rivets, etc., (Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc., (Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and p.c.		
Copper Rivets & Burrs, 45 p.c. Jis.		
cartoons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.		
Canadian, dis. 35 to 37½ per cent.		

ROPE, ETC.		
7-16 in. and larger, per lb. 10½	Sisal.	Manilla
¾ in.	11	12
½ and 5-16 in.	11½	13
Cotton	13	14
Russia Deep Sea	14½	15
Jute	6½	7½
Lath Yarn	8½	9
New Zealand Rope.....	9½	

RULES.		
Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.		
Mrs. Potts, per set.....	0 62½	1 00
N.P., per set.....		90

SAD HEATERS.		
Dome, Shepard's, per doz....	4 75	5 00

SAND AND EMERY PAPER.		
Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.....		

SASH CORD.		
Per lb.....	0 20	0 50

SASH LOCKS.		
Triumph and Morris, dis. 37½, 40 per cent.		
Kempshall's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.		
Sectional, per 100 lbs.....	1 40	1 75
Solid,		1 25

SAWS.		
Crosscut, McMillan & Haynes, per dozen.....	0 40	0 70
"Empire," McMillan & Haynes, per ft.		0 70
Hand, Diston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Diston's, per ft.	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.....	0 75	2 75
" frame only.....		0 75

SAW SETS.		
"Lincoln," McMillan & Haynes, per doz.....	6 00	7 50
Whiting	5 63	7 00

SCALES.		
Gurney Scales, 50 p.c.		
B. S. & M. Scales, 50 p.c.		
Champion, 60 per cent.		
Fairbanks Standard, 45 p.c.		
" Dominion, 67 p.c.		
" Richelieu, 60 p.c.		
Chatillon Spring Balances, 25 p.c.		

SCRAPERS.		
Box, per doz.....	2 10	4 50
Boot,	0 40	3 50

SCREENS.		
Door, patent, per doz.....	6 50	11 00
Window, per doz.....	2 00	2 75

SCREW DRIVERS.		
Sargent's, per doz.....	65	90

SCREWS.		
Wood, F. H., iron, and steel, dis. 87½ p.c.		
Wood, R. H., " dis. 80 p.c.		
" F. H., brass, dis. 82½ p.c.		
Wood, R. H., " dis. 75 p.c.		
Drive Screws, 87½ per cent.		
Bench, wood, per doz.....	3 25	4 00
iron,	4 25	5 75

SCYTHES.		
Discount, per doz. net.....	4 50	6 00

SCYTHES.		
Canadian, dis. 50 p.c.		

SHEARS.		
B. & W., japanned, dis. 75 p.c.		
B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 60 p.c.		
Elna, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
" N.P., dis. 70 p.c.		
Clausen, full nickel, 60 p.c.		
" japanned handles, 67½ p.c. off.		
Seymour or Heinisch tailor shears, 15 p.c.		

SHEAVES.		
Sliding door, per set.....	0 77	1 40

SHOVELS AND SPADES.		
Canadian, dis. 40 and 10 to 45 and 2½ p.c.		

SIEVES.		
Wood rim, black, per doz.....	1 05	1 10
tinned,	1 25	1 35
Tin rim, per doz.....	2 30	2 45
black.....	1 85	2 25

SNAPS.		
Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'.....	4 50	11 50

SOLDERING IRONS.		
Per lb		0 25

WROUGHT SPIKES.		
Discount, 35 to 40 per cent.		

SPOKE SHAVES.		
Wood, English	1 80	5 00
Iron, American.....	1 35	2 35

SPOONS AND FORKS.		
Tea spoons, per gross.....	7 50	12 00
Dessert,	21 00	00 00
Table,	30 00	00 00
Dessert Forks,	24 00	00 00
Medium	27 00	00 00
Table	36 00	00 00

SQUARES.		
Iron, per doz.....	1 65	2 90
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAPLES.		
Galvanized	2 00	
Bright.....	1 00	

STEP LADDERS.		
BOECKH BROS. & COMPANY.		
Best grade, from 3 to 10-ft. long per foot, 16c.		
2nd grade, 3 to 10-ft., per foot, 10c.		

STOCKS AND DIES.		
American, dis. 25 p.c.		

STEP LADDERS.	
BOECKH BROS. & COMPANY.	
Best grade, from 3 to 10-ft. long	per foot, 16c
2nd grade, 3 to 10-ft.,	per foot, 10c.

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In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays 10 cents to any address on receipt of

HARDWARE AND METAL, Toronto

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THE STAR HACK SAW

Has a file temper, and one 5-cent blade will do more work than \$1 worth of files. It will cut off an inch square bar of steel 100 times without filing.

THE STAR BUTCHER SAW

Will cut four times as long without filing as any other kind in use. It will cut off a half-inch rod of iron 30 times.

THE STAR BRACKET SAW

Is taking the place of all other kinds.

None of these Star Saws are to be filed, as the price is less than the cost of filing. They are taking the place of all other saws as fast as they become known.

For Sale by Most Hardware Dealers

We also make a Power Hack Saw which may be found in most machine shops and iron working establishments, and should be found in all.

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THE BRADSTREET COMPANY,

Executive Offices Proprietors.

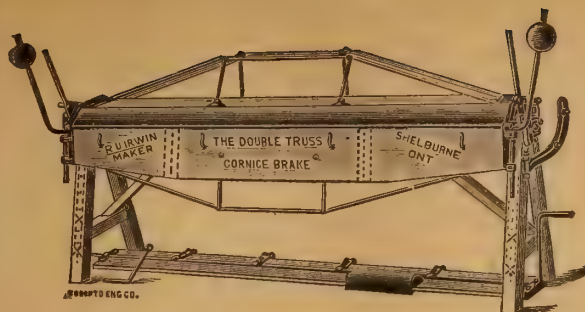
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This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, \$50

Very handy bender attachment, \$10 extra, if required.

Send for circulars and testimonials to

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It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

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WAREHOUSE (Portable or Dormant) HOPPER SCALES

DAIRY SCALES, COUNTER SCALES WAGON SCALES TRACK SCALES

THE GURNEY SCALE CO., - Hamilton, Ont.

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Agent for Montreal and Eastern Provinces.

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Perfect Light Perfect Safety

Our Machine is Automatic. Safe.

Sold only through the local Hardware and Plumbing Trades, etc.

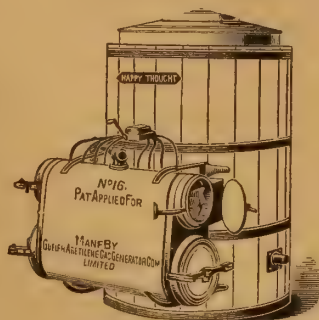
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THE GUELPH ACETYLENE GAS CO.

GUELPH, ONT.

Limited



HARDWARE DEALERS' MAGAZINE

Largest Circulation in its field in the World

One Dollar a Year.

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STANLEY'S UNIVERSAL PLANE.

INCLUDING :

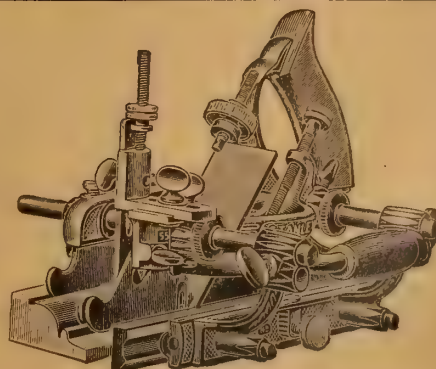
Moulding Plane, Match, Sash, Chamfer, Beading, Reeding, Fluting, Hollow, Round, Plow, Dado, Rabbet, Filletster and Slitting Plane.

No. 55. Universal Plane, \$16.00

WITH 52 CUTTERS.

The Plane is Nickel Plated; the 52 Cutters are arranged in four separate cases; and the entire outfit is packed in a neat Wooden Box.

SOLD BY ALL HARDWARE DEALERS.



Est. 1863

Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve

Medals



Awarded
By **JURORS** at
International Expositions
Special Prize

Gold Medal at Atlanta, 1895



HAVE YOU TRIED IT ?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE GUTTA PERCHA AND RUBBER MFG. CO.

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FAST COLORS



Sun or rain have no effect upon them. This is
one of the many beauties of

ROBERTSON'S READY MIXED PAINTS

and one reason why you have so many calls for them. One trial is enough to convince
the most skeptical that there is not a better paint manufactured.

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Sterling Value
Langwell's Babbitt
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CANADIAN

HARDWARE

AND METAL
MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X.

MONTREAL AND TORONTO, NOVEMBER 12, 1898.

NO. 46



Magnolia Metal

Best Anti-Friction Metal for
all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamp-
ed on the under side of
each bar.



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General Dominion Agents.

Owners and Sole Manufacturers,

266 and 267 New York
West St.,

"Beauty is only
Skin-deep,"



CANADA

but the beauty of "Queen's Head" Iron
is far deeper than that, for it is due to the purity of the gal-
vanizing, and that is why it does not peel like so many other
brands when subjected to heat.

JOHN LYSAGHT, Limited
BRISTOL and MONTREAL

CANADA'S BEST RADIATORS

Safford

For
Steam
or
Water

Prompt Shipments from Stock.

PRICES LOW

Quality Unequalled

Guaranteed to Stand 140 lbs.



Dominion Radiator Company

Formerly
The Toronto Radiator Company.

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(LIMITED)

ARTHUR B. LEE, President.

A. BURDETT LEE, V. P. and Treas.

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Boiler Plate
Shelf and Heavy
Hardware



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TILES
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FINE BUILDERS' HARDWARE.

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Anything in....

Copper

THE range of our product is from the smallest article possible to make to the largest work ever used or required.

COPPER WORK

made to any desired specification or design.

We have always on hand a large stock of

Sheet Copper and
Copper Tubing

CORRESPONDENCE SOLICITED

THE BOOTH COPPER CO.

Limited.

TORONTO

ELBOWS

PLEATED



"Standard" and "Short"

Neat in appearance, strong, easily polished, and will not catch the dust.

Made in 5-in., 6-in., 7-in., 8-in.

THE . . .

THOS. DAVIDSON MFG. CO.

LIMITED

MONTREAL.

Established 1825

Important Decision relating to the

Established 1825

HEINISCH

TRADE-NAME ON SHEARS, TRI/VERS, Etc.



The U.S. Circuit Court, Southern District of New York, Judge Townsend, has rendered a decision in the suit of "R. Heinisch's Sons Co. vs. Hermann Boker & Co."

"The Complainant is entitled to an accounting, and to an injunction restraining them from using the names 'Heinisch' or 'H. O. Heinisch' on its Shears, Labels, etc., and otherwise, in any way which will interfere with Complainant's enjoyment of the benefits of its Trade-name."

Referring to the above decision, we would respectfully state our determination to protect our rights in the premises and warn all persons against any imitation of our Trade-name

R. HEINISCH'S SONS CO.,

N.Y. OFFICE, 90 Chambers St.

NEWARK, N.J., U.S.A.

COLDBROOK IRON AND STEEL CO.

Limited

Manufacturers of
all kinds of**BAR IRON.**

• • • • •

GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

Our Phoenix Red Sheet Packing

is not affected by oils, ammonia, liquors, steam, heat, or alkalies. It conforms to rough surfaces. It makes a perfectly tight joint. It retains its elasticity under any condition.



OTHER TOOLS ARE VERY GOOD TOOLS, BUT

"YANKEE" TOOLS ARE BETTER**SPIRAL-RATCHET SCREW DRIVER.****RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.**

Sold in Canada by

CAVERHILL, LEARMONT & CO.	-	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	-	"
LEWIS BROS. & CO.	-	-	-	"
SEYBOLD, SONS & CO.	-	-	-	"
RICE LEWIS & SON, Limited	-	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	-	LONDON
HOBBS HARDWARE CO.	-	-	-	"
WOOD, VALLANCE & CO.	-	-	-	HAMILTON

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Philadelphia, Pa., U.S.A.

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Limited

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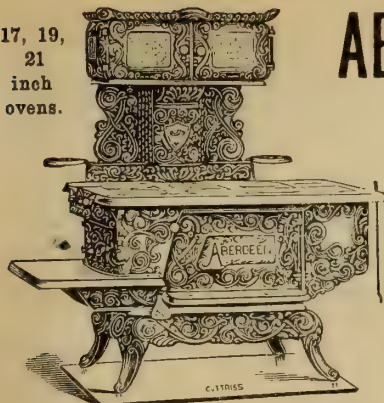
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The paper stands
wear and tear

17, 19,
21
inch
ovens.



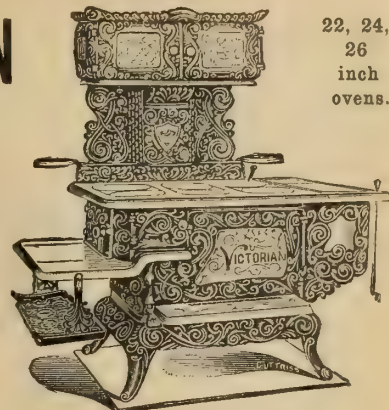
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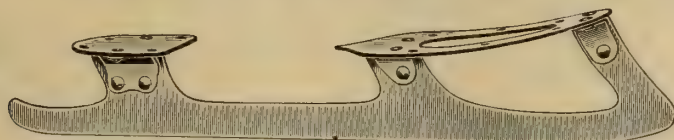
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22, 24,
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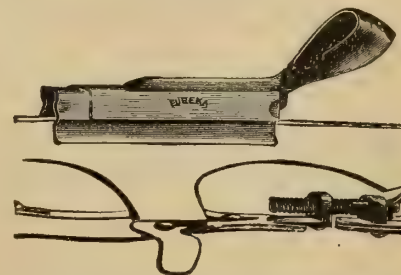
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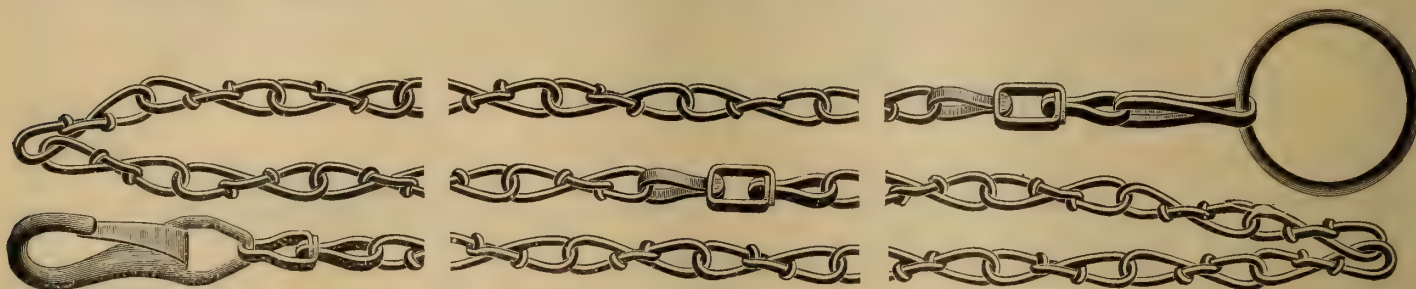
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STOVE POLISH
PASTE, CAKE OR LIQUID

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For tethering cattle in fenceless pastures.
Made in all sizes. . . .



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They are pressed out of single sheets of wrought steel without seam or joint. Are absolutely unbreakable—have rounded corners—are easy to keep clean, and will not retain odors.

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Kemp Manufacturing Company

TORONTO, CANADA.



HARDWARE AND METAL

Vol. X.

MONTREAL AND TORONTO, NOVEMBER 12, 1898

No. 46

President, Treasurer,
JOHN BAYNE MacLEAN, HUGH C. MacLEAN
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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

WORLD'S OUTPUT OF GOLD.

DURING the year 1897 the world's production of gold, according to the United States mint report, recently issued, amounted to \$237,504,890, an increase of nearly \$35,000,000, as compared with 1896.

South Africa was the greatest producer with \$58,306,600, a gain of \$13,854,192 over 1896. The United States is second with \$57,363,000, an increase of \$4,275,000 over the preceding year. Australasia is third on the list of producers, with a production of \$55,684,200, but the increase in that country is much greater than in the United States, being \$10,502,249. Russia

is fourth, with a production of \$23,245,700. Mexico produced \$9,436,300, and British India, \$7,247,500. Canada ranks seventh, with a production of \$6,027,100. The increase here, however, is proportionately greater than in the foregoing countries, as Canada's production rose from only \$1,042,100 in 1894 and \$2,810,200 in 1896, to the present figure. During 1898, it is probable that this proportionate increase in the Canadian output will be maintained.

South Africa, too, seems to give evidence of increasing her output this year, as, during the first eight months of 1898, \$48,000,000 have been produced, which, if maintained, will give a production of \$72,000,000, an increase of \$14,000,000. Australasian returns indicate a production of \$65,000,000, an increase of \$10,000,000 this year. On consideration of these indications, it is expected that the world's production during 1898 will amount to at least \$270,000,000, nearly three times as much as it was 15 years ago.

The world's production of silver during 1897 amounted to \$236,730,300. Mexico produced \$69,693,000; the United States, \$69,637,200; Australasia, \$20,624,200; Bolivia, \$19,393,900; Peru, \$12,650,900; Spain, \$7,472,300; Canada, \$7,186,700. Thus, Canada stands seventh, both as a producer of gold and of silver.

During the year, the world's coinage, including recoinage, amounted to \$437,719,342 in gold and \$142,380,588 in silver, a total of \$580,099,930.

It has been iterated and reiterated by free silver advocates that the recent lean years were largely due to a scarcity of the yellow

metal, that the gold was cornered and held to keep the prices of goods low. If this reasoning be correct, this large augmentation to the world's gold supply should materially assist in keeping the price of goods at a figure which shall be more remunerative to the Canadian agriculturist and manufacturer, as well as their confreres in the United States. But there are other factors which regulate prices other than the quantity of money in circulation which the free silver champions refuse to recognize.

BELGIAN CEMENT TO THE FORE.

ARRIVALS of cement at Montreal, to date, amount to 236,764, Belgian and German, and 30,405 English. Stocks at present are small, but now that all large contracts are completed, and as there are still five vessels to arrive before the close of navigation, with fair quantities, there is no apprehension regarding supplies for the ensuing winter, as they promise to be ample for all requirements.

The figures given above prove pretty conclusively that, in this important line, the preferential tariff has not been influential enough to divert orders from Belgian to British manufactured cement. Whether it will be the same next year depends on the price of the British article.

Advices from the British makers state that they expect an active demand during the coming season, and that they do not look for any material decline in prices. This being so, it seems certain that the Belgians will again, next summer, as they have this year, supply us with the great bulk of our imported cement.

ONTARIO PIG IRON PRODUCTION.

A REPORT issued a few days ago, by the Ontario Bureau of Mines, contains much that is interesting. But there is nothing more interesting than the statistics relating to the production of pig iron in the Province.

During the twelve months of 1897 the production of pig iron in Ontario was 24,011 tons, valued at \$288,128.

For the first nine months of this year the production was 38,370 net tons, with a value of \$460,442.

This means that the production in the nine months of this year was 59.8 per cent. larger in quantity than during the twelve months of 1897. The percentage of increase in value is the same.

This is a most gratifying result, and indicates that the blast furnace started at Hamilton in February, 1896, is becoming firmly established.

Most of the business which has been done in Ontario during the past few months has been in the Hamilton product.

There was also a nice increase in the output of iron ore in the Province, the quantity for the nine months of this year being 14,916 net tons, against 2,770 tons for the 12 months of 1897, an increase of 438 per cent. in a period one-third shorter. It is also worthy of notice that the use of foreign ores has increased, the quantity for the nine months of this year being 45,358 tons, against 34,722 tons for the whole of 1897. The value of the iron ore produced was \$36,388, against \$4,689 last year.

The value of the metals produced in Ontario, including those already enumerated, is as follows:

	1898 (9 months)	1897 (12 months)
Gold.....	\$188,231	\$190,244
Silver.....	11,592	.....
Nickel.....	338,216	359,651
Copper.....	208,569	200,067
Iron ore.....	36,388	4,689
Pig iron.....	480,442	288,128
Total value.....	\$1,243,438	\$1,042,779

BUSY STOVE BOLT MAKERS.

The unusual heaviness of the demand for stoves and furnaces this season, reference to which has been made in previous issues of *HARDWARE AND METAL*, is being re-

flected in the activity which the manufacturers of stove bolts are experiencing.

So great has been the demand that some of the factories have been compelled to put in additional machinery, and still their capacity is taxed.

PATRONIZING PECULIAR SCHEMES.

MOST people are more easily persuaded to patronize schemes which are questionable than those which are commendable. It may be because of the liberal quantity of sugar with which they appear to be coated. But, whatever the cause, people, and business men among them, are being continuously victimized.

There is a paper published in New York, by the name of *The American Journal of Health*, which has constituted itself an authority on foods. And so solicitous is it that publicity should be given to commendable articles of food, that it writes unsolicited, lengthy editorials, each editorial to be the leader in the issue in which it appears. But, in order that there shall be no mistake—for the editorials are not always, at any rate, written before the goods are inspected—the manuscript is submitted to the manufacturers of the particular product with which it deals. It asks nothing, either by the line or the inch, for the publication of the editorial, which is conceived in the love-for-pure-food spirit and penned with the motive of benefiting humanity. But, lest its generosity should defeat the object it has in view, it stipulates that, in case the article should be accepted—by the manufacturer, of course—an order for a minimum number of copies of this celebrated health journal, at the stipulated market price, shall accompany the letter of acceptance.

Of course, no manufacturer or merchant who has been thus generously treated would think of being ungenerous in return, even though the market price of this celebrated journal of health is high. Although, by-the-way, we do hear of some who, actually, were ungenerous enough to refuse the editor's offer.

Some of the manufacturers whose products have been editorially treated by this celebrated health journal are Canadians.

Of course, this health journal is not published in Canada. But what of that? Aren't the manufacturers whose products are being treated editorially by a scientific pen, getting something for nothing, even if the paper is published in a foreign country, and circulated in a foreign country? Dollars spent in buying a few copies of the paper, of course, no generous man would think of counting as money expended.

People should not look at things like this from too mercenary a standpoint. Neither should they be of too analytical turn of mind. People who have got behind the scenes in regard to *The American Journal of Health's* editorial policy may nudge their fellows and cry, "Ah, ah, Blank's caught." That is the way of the world, and these railers will be caught some other way. As long as the goods are right, what should it matter if they are written up in ways that are most peculiar?

As it is easier to offend than to please a customer, he is a wise man who is doubly cautious about giving offence.

NOVEMBER 9 FOR THANKSGIVING.

A SUBSCRIBER, who does not desire his name published, writes suggesting that November 9, the birthday of the Prince of Wales, be made a permanent Thanksgiving Day.

The suggestion is, we think, the best that has been yet made.

It would make the holiday two weeks earlier than at present, and be at a time when fair weather might be fairly expected.

Then, there is the utilitarian side of the proposition. In the natural order of things, it will be only a few years hence before the British throne will be occupied by the present Prince of Wales, whose birthday, November 9, will certainly become a public holiday. Whether, therefore, Thanksgiving Day be held at the end of October or of November, it would mean another holiday in about two weeks, with the Christmas and New Year's holidays closely following.

By fixing Thanksgiving Day for November 9 this would be avoided, while increased interest would be given to the two features which called the holiday into existence.

We think this proposition will meet with the approval of the business men of the country.

METALS AGAIN HIGHER.

THE remarkable strength in such leading metals as tin, copper, spelter and zinc continues unchecked, further advances being noted this week, compared with eight days ago. Prices on Straits tin in Montreal, as a result of the strength in New York and in London, advanced 1c. per lb., and buyers who tried to fill wants this week with difficulty succeeded in doing so at 19c. for round lots, while 19½c. is now the general asking price, Lamb and Flag, in the meantime, having also advanced ½c. per lb.

In New York, this week, \$18.45 was asked for Straits tin, and, in less than 5-ton lots, \$18.55. The goods laid down in Montreal, therefore, cost fully \$18.90, so that, allowing for the cash discount, sellers who accepted 19c. were selling pretty close to cost, and it is now doubtful if they would accept the same bid to-day.

Another important line that has been affected by the advance in tin is tinplates, recent cables on them demanding an advance of 6d. per box.

Zinc is cabled much higher also, being nearly 40 per cent. above the figures asked for the same time last year. This, according to recent advices, is going to affect many important lines of paints. Sheet zinc is held ¼ to ½c. higher this week as a result of the strength abroad, and agents refused the equivalent of 6c. in Montreal from importers who wished to procure fresh supplies, the jobbing range now being held at 6½c. up, according to quantity.

Spelter has advanced 10s. on the week in London, being quoted firm at £24 15s., and points higher. The rise in this metal is very apt to affect galvanized iron, galvanized wire, barb wire, and other similar lines. In fact, if the remarkable strength continues buyers would do well to keep stock of galvanized sheets, galvanized wire, barb wire, and tinplates well assorted, as they will then be in a better position to take full advantage of any rise in the market.

SCARCITY OF SLEIGH BELLS.

Sleigh bells is one of the lines which some difficulty is being experienced in securing enough of to supply the demand.

The manufacturers in Canada are already taxed beyond their capacity, and the season

can scarcely be said to have started yet. Prices are the same as a year ago, notwithstanding the appreciation in the price of leather.

A WIRE NAIL TRUST.

A RECENT development in the trust line is among the wire nail manufacturers of Germany.

The trust is on an important scale, all the manufacturers being a party to it. The exclusive sale of the output of the different mills in the concern is placed in the hands of a Berlin banking house, and buyers in Northern Germany, Denmark, Sweden and Norway, Austria and Balkan Principalities are to conduct their business through this bank.

For Southern Germany, business will be conducted by the branch in Mannheim, and trade with the United Kingdom, Holland, Belgium, France, Spain, Portugal, Switzerland, Italy, Russia, Turkey, and countries outside of Europe, by the branch at Hamm, in Westphalia. All payments, however, are to be made to Berlin.

This is the most striking arrangement in the wire nail line since the formation of the wire nail trust in the United States.

The latter trust collapsed because of the inordinate appetite of its members for profits, which led them to work prices in the home market to such a high figure that jobbers in the United States could buy American nails in England and lay them down in their own warehouses at something like 60c. per keg below the fixed price on the home market. That killed the trust.

The disorganized condition of the price of wire nails in Canada still exists, and a good many are expressing opinions as to what should be done, but there does not appear at the moment to be any likelihood of immediate action being taken.

Prices in the United States have declined 5c. per keg, but they are still above the parity of the Canadian market, duty added, by 20 to 25c.

When the makers in Canada were working under an association they secured profits which, at times, were, no doubt, handsome, but at the present base price it is taking them all they can do to make even a living profit, and one hears it commonly asserted that wire nail manufacture in Canada cannot be profitably carried on except under an agreement, and some manufacturers go so far as to suggest that all sales from the factories be made through one selling agent.

DROPS FROM THE EDITOR'S PEN.

Aim at originality if you aim to be anything.

Get down to business if you would be up-to-date.

Do not stop advertising. People may think you are hibernating.

Miracles are often worked upon a dead business by hard work and brains.

Never say you cannot do a thing until you have tried your very best and failed.

No one has yet been able to span the universe or fathom the average politician.

It is the employment of good business methods which builds up a good business.

Dead stock, unless disposed of, tends to induce mortification and, ultimately, business disintegration.

When a merchant begins to give short weight he will not have to wait very long to get out of business.

He who keeps his eye on his business does not give the "other fellow" much chance to run away with it.

Good manners are proper behind the counter as well as in the drawing-room, and there is more money in them.

When a politician smiles, it is an evidence that he is oiling his wily ways preparatory to making a descent upon you.

Uncle Sam ought to be very thankful next Thanksgiving Day. He reaped a good harvest and gave the Don a good threshing.

The closer a man weds himself to his political party the looser is he likely to become in his political morals.

There is trouble in store for those who run against the business law, as well as for those who run counter of the natural law.

There is unfair as well as fair competition, but there are some people who seem to think that all competition is unfair: They want everything.

TOWNS IN MANITOBA AND THEIR MERCHANTS.

(Continued).

CARBERRY.

About 50 miles west of Portage la Prairie, on the main line of the C.P.R., is Carberry, a town of about 1,200 inhabitants. The situation for a thriving town could hardly be surpassed, as it occupies the very centre of the great wheat plain, and commands the trade in all directions for a radius of 20 miles. The town is about 14 years old, and was never cursed with what is known as a boom, but has enjoyed the steady and substantial growth natural to the main trading point of a fertile and well-settled farming district. The situation is high rolling prairie, and, as the earliest residents had the wisdom to plant numbers of trees, the little town is very pretty, and has many fine homes, with large and well-kept gardens. Though a magnificent wheat country, the farmers round Carberry have not confined themselves exclusively to the growing of that cereal, but have wisely gone in for fine herds of pure-bred stock. John G. Barron, one of the best-known breeders in the Province, and president of the Pure-Bred Stock Association, has his home on the outskirts of Carberry. The great Boyd horse ranches are also in the immediate vicinity. Like most towns built mainly of wood, Carberry had its fire experience, and a pretty serious one it was, sweeping out almost the entire business portion of the town. This was just about a year ago, and now the burned sites are almost all rebuilt with handsome brick structures on stone foundations. There has been pretty close on to \$75,000 of building done in Carberry during the past summer. The C.P.R. has erected a very handsome brick station in the Swiss chalet style. This building is heated with hot water and lighted throughout with acetylene gas. Some of the other buildings erected are: Murphy's block, brick, two stores, 30x80; Smale's block, two stores, 20x50; Aikenhead implement warehouse, 25x90; Kine's block, three stores; Massey-Harris Co.'s new warehouse, galvanized iron on stone foundation; Stewart's two-storey block, 25x70; Stinson & Fetridge, three-storey block, 25x70; Walker block, two stores, 25x75; Alex. Robertson, furniture warehouse, three storeys, 30x125. The brick for these buildings was all made in the town, and it is a handsome red brick. Before the fire, Carberry had a good electric light plant and service. This was completely destroyed, and, though steps are being taken to have a new plant installed, many of the new buildings are putting in acetylene gas.

The hardware trade in Carberry is represented by C. W. Maloan and Murphy, Brown

& Co. Mr. Maloan has been in business in Carberry ever since the townsite was located, and he has worked up and enjoys a very large trade. Mr. Maloan reports that business has been very good during the season, but it is now seriously retarded owing to the heavy rains.

Murphy, Brown & Co. carry a large stock of general hardware, stoves, etc., do tin-smiths' work and furnace installing. Mr. Brown reported that business had been good during the season, especially in the line of furnaces, but the wet weather was affecting things somewhat. This firm has rather a peculiar adjunct to their hardware business, and that is a very live and active flour and feed store. Though an unusual combination it appears to work well.

Both of the firms mentioned subscribe to **HARDWARE AND METAL**, and testify to its usefulness.

BRANDON.

After waiting up all night to catch a train which was always coming, but nevertheless managed to arrive six hours late, your correspondent arrived in Brandon on Friday morning. I wrote you a description of Brandon, last year, and there is nothing to add to that except that building has been fairly active, and the "Wheat City" looked, as it always does, clean, sweet, and well-to-do. One of the best buildings erected is a two-storey red brick on the corner of Rosser avenue and Eighth streets, erected by Nation & Shewan, and occupied by Warner & Co., as a well appointed stationer's shop.

Johnson & Co. and Mitchell & Co. still preside over the hardware destinies of the city. Mr. Johnson kindly showed your correspondent through the premises. The stock carried is heavy and well assorted. In addition to the usual lines of hardware, a fine line of silverware is carried. Back of the main building, on Rosser avenue, is a large warehouse fronting on Seventh street. Here, the firm carries its bar iron, bicycles and many other lines. This summer it ran a bicycle livery and repair shop in connection with its other business. At the time of my call Mr. Johnson could not state definitely whether this had been a good venture or not, but he thought it had paid.

Mitchell & Co. carry a large stock of general hardware. At the time your correspondent called, the firm was making a particularly fine display of lamps in its windows. This firm does a furnace and tinsmithing business.

From the town of Brandon your correspondent traveled south or south-west to

NAPINKA,

some 80 miles, passing through a fine farming country. Napinka, which is one of our very newest towns, is a brisk and thriving

little place. Being a railway divisional point has given it an impetus. There are a large number of elevators at this point. I think I counted seven. Unfortunately arriving after seven in the evening, and being obliged to leave at seven the next morning, I was unable to call upon any of the merchants. Leaving Napinka, on the Deloraine branch of the C.P.R., we traveled due east again, passing Deloraine, Boissevain, Killarney, Crystal City, Pilot Mound and Manitou, at all of which I should like to have stayed, and reached

MORDEN

about noon. Morden is now one of the very important towns of the Province. It is situated something over 60 miles from Winnipeg on the western verge of the Mennonite reserve, which lies along the International boundary. In the early days Morden was largely developed by Mennonite trade, but of later years the whole country round has filled up and the trade of the town is general. The land round Morden is especially adapted for wheat growing. This year the crop was very fine indeed, running from 20 to 25 bushels to the acre, and, as their harvest is almost two weeks earlier than other sections, more than half the threshing of the district was done before the rain came.

Like Carberry, Morden has had its baptism of fire. Twice in three years has a heavy fire swept through different portions of the town. And after each fire handsome brick and stone buildings have taken the place of those destroyed. One of the finest buildings erected this year is that of The T. T. Thompson Co. A two-storey brick building with a frontage of 72 feet by a depth of 125. Large stone basement. This firm is a new one, and carries, in addition to a heavy stock of general hardware and stoves and large assortment of threshers, buggies and agricultural implements. The building is lighted throughout with acetylene gas.

Mr. Thompson, head of the firm, said he had not been a subscriber to **HARDWARE AND METAL** because he was new to the business, but his chief clerk had been used

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

to it in the east, he had recommended it highly and he should take it.

Mr. Geo. Ashdown, yet another brother of J. H. Ashdown, has the oldest hardware business in Morden. He does a fine trade, but, like everyone else, has felt the pinch of dull weather this fall.

A. P. BROWN & CO.

Mr. Brown, of A. P. Brown & Co., has been in business in Morden about five years, previous to that he was with his brother in Carberry. Mr. Brown told your correspondent that he was not a bit discouraged with the bad weather. He said: "I have watched this, I think, pretty closely, and I find that whenever we have had a bad season in one way we have had corresponding advantages in some other. Trade has been very good with us all fall. We added a new branch to our business this year, that of hot water heating, and we find it profitable. I was fortunate enough to secure the contract for our local hospital against several Winnipeg competitors, and feel rather proud of the fact."

Speaking of furnaces, Mr. Brown said that since the introduction of the McClary grate for burning lignite coal, large numbers of people, particularly among the farmers, were putting in coal furnaces. The Souris coal is laid down at Morden for \$4.50 per ton, or about \$3.75 off the cars, and farmers find it cheaper to buy than to go to the expense of preparing and hauling wood.

I must not close this little sketch without a word of thanks to the Manitoba and N.W. Railway Co. and the C. P. R., whose officials did much to add to the comfort of my trip, and were most courteous in giving information; also to the editors of the different towns for friendly notices of the object of my visit.

NOXON MANUFACTURING CO. REORGANIZED.

The Noxon Manufacturing Co., implement manufacturers, Ingersoll, Ont., whose works were recently closed down, have been reorganized. Noxon Bros. are retiring from the company, their stock being purchased by W. Watterworth and R. H. Cotter, of Ingersoll, and F. R. Ball and R. N. Ball, of Woodstock, Ont. Mr. Watterworth will probably be president of the company and Mr. Cotter secretary-treasurer and manager. The works will probably be started up again in a short time, and will be kept running the whole year instead of only part of it. The capital of the company is \$500,000.

NEW INVENTIONS.

Below will be found a list of new patents recently granted by the United States Government to Canadian inventors, reported for



Every Mark

made by The Sherwin-Williams Paints is enduring. Every drop of The Sherwin-Williams Paints is the best that can be made. We could not make one drop of such paint unless we had gradually progressed along the road we have traveled for thirty years, learning something about paint-making every day. We have steadily perfected our machinery and educated our workmen, and every drop of paint must pass an examination before it can get out of the works. Every drop sold is guaranteed for quality, covering capacity and durability. The high reputation of

THE SHERWIN-WILLIAMS PAINTS

is due to the care and special knowledge that enter into their making. There are a score of kinds for different uses. Each and every drop contains the best lead, best zinc, best color, best oil, best drier—all in the right proportions. Not "about right"—but *exactly right*. Our practical booklet on painting will be sent free.

THE SHERWIN-WILLIAMS CO.,
PAINT AND COLOR MAKERS,
Canadian Dept.,
21 St. Antoine Street,
Montreal.

the benefit of our readers by Marion & Marion, solicitors of patents, New York Life Building, Montreal: Nos. 613,617, Eli Bailey, Brantford, Ont., shears and scissors; 613,304, Edmund Piggott, Dresden, Ont., animal trap; 613,451, Fred Lacey, Valleyfield, Que., amelioration harness operating device; 613,499, W. J. Curry, Nanaimo, B.C., collapsible bed; 613,595, Arthur Painter, Nelson, B.C., apparatus for loading material movable carriers.

AN IMPOSING HARDWARE STORE.

The new premises into which The Vancouver Hardware Co., A. O. Campbell, manager, has moved is an imposing structure, containing three storeys and a basement. As the basement comprises two floors, there are practically five flats of store and warehouse space. The ground floor is used for the display of general hardware, with the office on an elevation near the back. The second floor is used as the stove, mantle and grate departments, while the third floor is to comprise the workshop and reserve stock rooms. Elevators run from the basement to the top floor.

The Bailey Scissors Co., Brantford, Ont., have commenced operations.

AMERICAN WIRE NAILS IN EUROPE.

Consul Halstead writes from Birmingham, England, Sept. 10, 1898: "In an article on the manufacture of nails, after showing to what extent wire nails have been substituted for cut nails, The British Iron and Coal Trades Review says that 'figures published recently make it clear that the United States threatens Europe with serious competition in the nail trade, despite the fact that it is a highly finished product as ironworks' products go, and involves the employment of a large amount of skilled labor. At the average wholesale price of \$1.08 per keg of 100 lb., the United States appears to be prepared to sell cut nails at works for about \$23, or about £4 15s. per ton—little more than the British price for steel rails. This, moreover,' adds The Review, 'is not the price for export business alone, but the average American price for all purposes for a whole year. We have never heard of any price approaching this figure being quoted in Europe. British nail manufacturers would be likely to find it worth their while to ascertain how it is done, compatibly with the payment of the higher rate of wages common to all American industries.'"

TRADE CHAT.

THE Customs returns for Paris, Ont., show that the exports for October amounted to \$23,587, divided as follows: Flour, \$9,919; apples, \$5,170; cattle, \$1,200; lambs, \$635; horses, \$280; bran, \$360; cheese, \$3,241; implements, \$30; turnips, \$1,729.

Joseph Grasser is starting a broom factory in Kincardine, Ont.

George B. Morris, hardware merchant, Guelph, Ont., had one of his thumbs seriously crushed while handling waterlime last week.

The safe of the Gibson Coal Co., Brantford, Ont., was broken open by burglars one night recently, but only \$4 booty was secured.

The amber tank at the Sydenham Glass Factory, at Wallaceburg, Ont., was fired last week, and now the whole plant is in operation. Nearly 400 hands are employed in these works.

The Quebec Street Railway Co., are having fenders similar to those recently introduced by the Ottawa street railway constructed for their cars.

The Disney & Devlin Manufacturing Co., Hanover, Ont., are increasing the capacity of their chair factory, and have sold their sash and door factory to Eidt & Spiesz.

One hundred thousand bushels of flax seed arrived at Midland, Ont., the other day for shipment to Montreal, but no cars could be secured to carry it from that port.

The merchants of Thamesville, Ont., have formed a protective association, for the purpose of forcing the collection of accounts and blacklisting those who do not pay.

The Ottawa Electric Railway Co. has fitted its cars with a new fender. It is composed of two distinct parts, a cradle and a cushion. The company will manufacture the fender in Ottawa.

Mr. Smith, of Coldwater, Ont., is erecting a stave factory at Maple Lake Station, Ont. Three million feet of elm, basswood, birch and hemlock logs will be taken out for manufacture this winter.

An Oklahoma girl advertised for a husband and got him. The advertisement and wedding outfit cost \$11, and within a year he died and left her \$5,000 life insurance. It pays to advertise.

The W. G. Nott Bicycle Co. Brantford, Ont., expect to have their works running early enough to start the manufacture of wheels by Christmas, and to be in full running order for the spring trade.

Jacob Hose, hardware merchant, Rat Portage, Ont., has been compelled, by increasing business, to erect a three-storey and

basement store. It will be of solid brick, 24 x 85, and furnished in the latest manner throughout.

The Board of Trade, of Kincardine, Ont., have recommended that the council of that town should submit a by-law granting Hunter Bros., boiler makers, of Kincardine, a loan of \$4,000, repayable without interest.

The Crow's Nest Pass Coal Co. now have 50 coking ovens ready for business at Fernie, B.C. Samples of the coal are being distributed throughout British Columbia and the Northwest. D. M. McMillan is agent for the company in the Brandon, Man., district.

A New Westminster despatch states that the safe companies are doing quite a rushing business since the fire in that place. New safes are arriving nearly every day from The J. & J. Taylor Co., Limited, of Toronto, and The Goldie-McCulloch Co., Limited, of Galt.

The Sheffield Cutlery Co., of Montreal, Limited, have been incorporated, with a capital of \$10,000, to manufacture and trade in cutlery of all kinds. The members of the new company are: Joseph Doris Couture, merchant; Jean Baptiste Lapointe, accountant; Jules Huot, agent; Gedeon Faille, printer, of Montreal, and Philippe O. Nadeau, merchant, of Ste. Cunegonde.

WILL MAKE WOODENWARE.

Lockerby & McComb, finding the demand for their building paper so great, have decided that there are other articles they can manufacture to advantage, and have, accordingly, made arrangements for manufacturing an extensive line of woodenware, consisting of sleighs, croquet sets, wagons, toy sets, besides several other more common, but none the less useful articles. Paying special attention to croquet sets, sleighs and wagons. The firm is to be congratulated upon its enterprise.

ASBESTOS STOVE LINING.

Very many tons of asbestos stove lining, an expensive article, were sold by The Canada Paint Co. last fall, and this year the demand is said to have considerably increased, now that its adaptability to all makes of stoves and ranges is becoming more generally known. Special attention is drawn to the advertisement on page 15, containing full particulars.

GLASS AGAIN ADVANCES.

The wholesale glass dealers in Montreal, on Thursday decided upon another advance in window glass. It is equal to ten cents per box, and is on account of the wreck of the steamship Westmeath, which had a large cargo on board.

GILBERTSON'S

"COMET"

BRAND

**Patent Flattened
Galvanized
Steel Sheets**

and carefully selected; will double seam either way of grain; are **fully equal** in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and **cost less**.

GILBERTSONS are the only galvanizers who not only **roll all their Steel Sheets**, but manufacture **all their own Steel in their own Steel Works**, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. **Cost** no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe," "Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent 22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

WHOLESALE
HARDWARE

37-39 Front Street West TORONTO

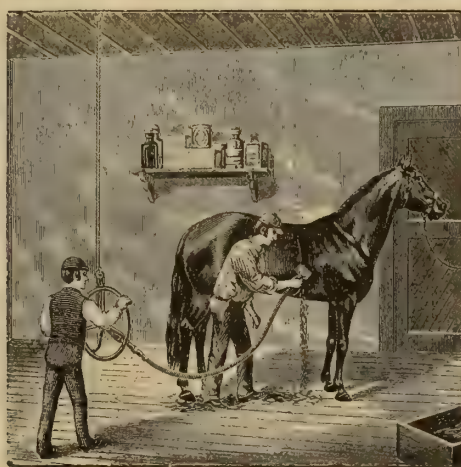
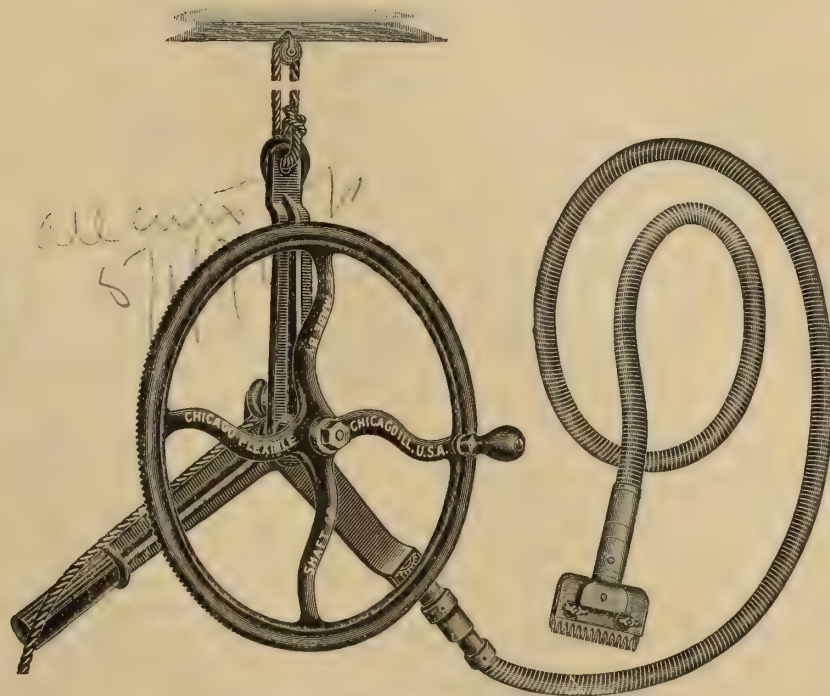
New Machine Horse Clippers

Horse
Singers

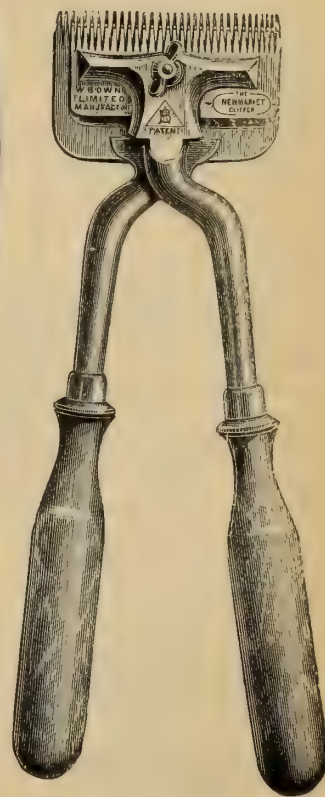


ALSO

Farriers' Knives
and
Farriers' Scissors



Horse
Clippers



"KEEN CUT"
"PERFECTION"
"NEWMARKET"

Simplest and Best Working Machine Ever Made.
Speed, 1,800 Revolutions per Minute.
Can't Get Out of Order. Always Ready.

OUR PRICES ARE RIGHT.

Graham Cut and Wire Nails are the Best.

WE SHIP PROMPTLY.

H. S. Howland, Sons & Co., Toronto

PUSHING THE METAL TRADE.

THERE appears to be an impression, in some quarters, that M. & L. Samuel, Benjamin & Co. are going out of trade altogether; but a circular and neat little hanger, which HARDWARE AND METAL is in receipt of, would indicate that, while they have gone out of the hardware trade, they are going to be much in evidence as far as the metal trade is concerned. The hanger gives the information that the firm will carry full lines of the following metals:

Antimony.
Brass—Sheets, soft and hard, rods and tubes.
Canada Plates.
Copper—Bar and ingot, pitted, rods and tubes, sheathing, roofing and brazier's.
Copperine and Babbitt.
Cotton Waste.
Crucibles.
Eave Trough—Also spikes and cond. hooks.
Glue—English and French.
Iron—Band, hoop and rod, black and tinned sheet, galvanized, "Gordon Crown" and "Falcon;" Russia, genuine and imitation.
Iron Pipe—Black and galvanized.
Lead—Bar, pig and sheet.
Lead Pipe.
Solder—Half-and-half and standard.
Steel Sheets—Common and dead flat.
Tin Plates—Charcoal and coke.
Tin—Bar, ingot, "L. & F." and Straits.
Wire—Brass and copper, bright iron and coppered iron.
Zinc—Sheets and block.

PERSONAL MENTION.

Mr. O. M. Hobson, hardware merchant, Bolton, was in Toronto this week on business.

Mr. D. F. Jones, the spade and shovel manufacturer, Gananoque, was in Toronto this week, visiting the hardware trade.

Mr. John Fennell, of the firm of Fennell & Son, Berlin, Ont., paid a visit to Montreal last week. Amongst other establishments, he spent some time going over The Canada Paint Co.'s works, and expressed great interest in the various processes of manufacture carried on by this firm.

A NEW RAZOR.

F. E. Walter & Co. are now showing a new razor called "The Reform Razor." The blade is made light, but the blade and handle are perfectly balanced, thus making it easy to keep in position whilst in use.

MR. E. D. SARGENT.

Mr. E. D. Sargent, who for several years was traveling representative of the White Mountain Freezer Co., Nashua, N.H., was in Toronto a few days ago. He is now representing four firms, namely: The Kilbourne & Jacobs Mfg. Co., Columbus, Ohio; The White Mountain Freezer Co., Nashua, N.H.; The Terre Haute Shovel and Tool Co., Terre Haute, Ind., and The Empire Forge Co., Lansingburg, N.Y. He

is representing these firms, and these only, in the territory east of Buffalo and Pittsburgh, and as far south as Washington and Wheeling. He will cover the territory indicated four times a year. Canada is included in his territory.

MANITOBA MARKETS.

WINNIPEG, Nov. 8, 1898.

APPARENTLY, winter has come to stay, all night and all day. Until a late hour this afternoon snow fell continuously, and, already, sleighs are out in great numbers. Sleigh bells and skates are among the goods in active demand, orders for the latter, booked early in the season, are now being shipped. The full complement of commercial men are on the road, but report that, so far, orders are few and far between, as dealers in outside towns still find business quiet. However, with good sleighing, farmers will bring in their wheat and matters will, no doubt, improve almost immediately. Both wholesale and retail men appear satisfied with the fall trade, in stoves and furnaces. Glass continues to advance, the base price being now \$2.10 per box, with likelihood of a still further advance. Prices of general hardware continue unchanged for the week.

Prices are as follows:

Barb wire, 100 lb.	\$2 40
Plain twist wire and staples.	3 00
Oiled annealed wire.	10 2 80
"	11 2 90
"	12 3 00
"	13 3 15
"	14 3 30
"	15 3 65
Wire nails, 30 to 60 dy, keg.	2 35
" 16 and 20	2 40
" 10	2 45
" 8	2 50
" 6	2 65
" 4	2 75
" 3	3 00
Cut nails, 50 and 60 dy.	2 15
" 20 to 40	2 20
" 10 to 16	2 25
" 8	2 30
" 6	2 35
" 4	2 60
" 3	2 85
" 3 fine	3 15
Horse nails, 45 per cent. discount.	
Horse shoes, iron, light, medium and heavy, keg.	3 90
Snow shoes.	4 15
Steel, light.	4 15
" extra light.	5 75
Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	
Tool steel, Black Diamond, 100 lbs.	8 00
Jessop	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge.	3 75
28 gauge.	4 00
Galvanized American, 16 to 24 gauge.	4 00
26 gauge.	4 25
28 gauge.	4 50
Genuine Russian, lb.	12
Imitation	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge	7 50
28 gauge	8 50
Tin plate, IC charcoal, 20 x 28, box	8 50
" IX	10 50
" IXX	12 50
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lbs.	6 50
Broken lots.	7 00
Pig lead, 100 lbs.	4 25

Caverhill, Learmont & Co. have purchased a large quantity of Snider rifles, and they are selling quickly.

MICA

We have some bargains to offer in this line.

Samples and prices on application.

EMERSON & FISHER

ST. JOHN, N. B.

(46)

Emergency and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring. "The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety, Toilet, Hand, Electric Power ARE THE BEST. Highest Quality Grooming and Sheep-Shearing Machines. WE MAKE THEM. SEND FOR CATALOGUE TO American Shearer Mfg. Co., Nashua, N.H., USA.

COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel and will not heat. 1899 catalogue ready.

Coates Clipper Mfg. Co. WORCESTER, MASS.

AXE HANDLES

Very heavy stocks Thoroughly seasoned goods We make a specialty of.... Can ship promptly and supply the very best

"Hand Shaved"

Octagon

Axe Handles

Made by Indians

being the largest dealers in Canada in this line. Can give exceptional value. Have 5,000 dozen of these handles on hand, ready for polishing. Write for prices.

Eastern Agent—W. B. Murdoch, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.

Snider Ammunition.

Cartridges loaded by us, with ball or shot, in solid-drawn brass shells, can now be procured from jobbers.

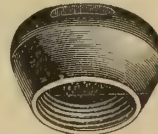
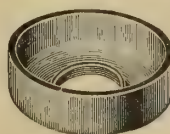
Dominion Cartridge Co., Limited - Montreal



Stove Trimmings

*In BRASS, NICKEL
and BRONZE.*

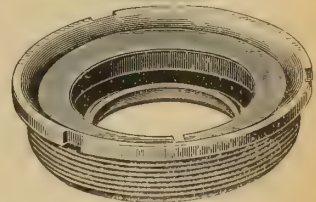
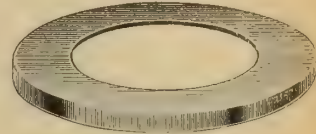
All orders promptly and carefully
executed.



**Sheet Steel
Bicycle Fittings**

*OF ALL
DESCRIPTIONS.*

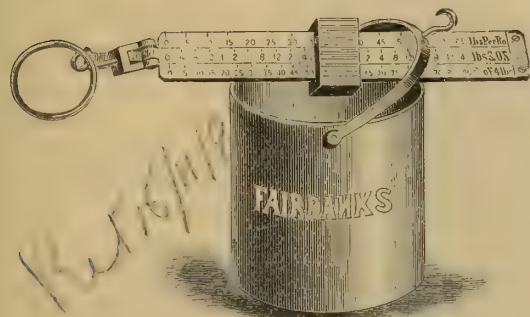
Estimates furnished from Blue Prints,
Drawings or Samples.



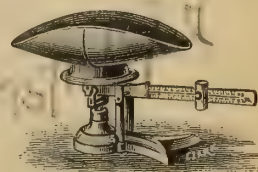
CATALOGUES FURNISHED ON APPLICATION.

The H. A. MATTHEWS MFG. CO., SEYMOUR, CONN.

FAIRBANKS GRAIN TESTERS!



IS THERE A MILLER in your town?
Call his attention to
our grain testers. . .



By filling the cup even and balancing, you can tell the weight per bushel of sample. You can then sift out the dirt and reweigh, and another row of marking will give you the per cent. of impurities.

These come in several sizes, from \$12.50 to \$15.00 list. Write for discounts.

For ascertaining the percentage of dirt in seed. Weigh 1 lb. of seed or grain in scoop. After sifting, weigh again, and the figure shown by poise on lower half of beam will show percentage of loss.

List Price, \$6.00 only.

Write for Discounts.

Have you sent in a sample order for the popular **Richelleu and Dominion Scales?**
It Will Pay You to study the scale wants of your customers.

THE FAIRBANKS COMPANY, 749 Craig Street, Montreal.

MERCHANTS AND THE MILITIA.

HARDWARE AND METAL would suggest to merchants to keep an eye on the utterances of General Hutton, the new Commander of the Canadian National Army. He recently arrived in this country, and has spoken on military

affairs with sense, firmness and discretion. Without quoting his exact words, it is sufficient to mention that he thinks the time has come when the conduct of military affairs should be entirely separated from party politics. The General has not said so, but it is well known that political appointments by wirepulling and favoritism

are continually being made and have been made to the permanent military force during the last ten years (not to go any further back). In other ways, the administration of military matters is affected by party considerations. This should cease.

The reason **HARDWARE AND METAL** directs the attention of merchants to this

subject is that the volunteer militia is nearly always called upon to protect the trade and commerce of the country. Canada is not a warlike community. It maintains its militia force for defensive purposes only. The history of the last 30 years shows this. The Fenian Raids of 1866 and 1870 were menaces against the merchants and trade interests along the border. The militia repelled these attacks of bands of freebooters, who would have pillaged if they had got a chance. Again, in the '90's the strike of railway men at Belleville led to riots, which, but for the calling out of the militia, might have been a more serious disturbance to trade than they proved. This duty was in aid of the civil power, which usually enforces its authority through the municipal police. Again, the Northwest Rebellion of 1885 was a signal example of the usefulness of the militia in restoring order and business conditions over a large tract of country. For these reasons, merchants should loyally support the volunteers, who make great sacrifices in time and money to maintain their regiments, and who only ask that promotions and changes and the awarding of contracts for clothing, etc., should be made on a strictly business basis. In fact, the militia is practically an insurance against disorder and destruction of property by mobs, etc., and is entitled to the moral support of all merchants.



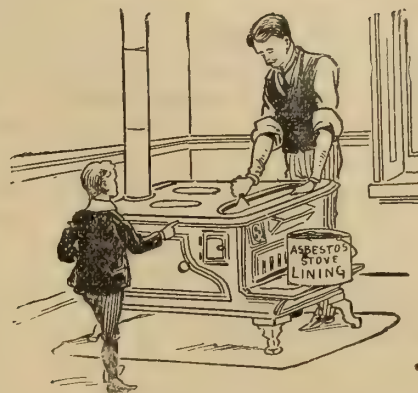
MAJOR-GENERAL HUTTON, the new Commander of the Canadian National Army.

ASBESTOS

Stove Lining

**A Money
Saver**

**A Time
Saver**



JACK—"That looks easy, daddy; let me do it."

PAPA—"So it is, sonny; go ahead."

For Making and Repairing
Linings in . . .



**Stoves
Furnaces
AND . . .
Ranges**

Fits Any Stove _____

Sold by all Stove Dealers,
Hardware, Paint and
Color Merchants.

ASBESTOS STOVE LINING is made from Asbestos and other fire-proof material, and is guaranteed to give perfect satisfaction. Sold in 6-lb. packages, or in bulk, to suit the convenience of the purchaser.

**The following directions are
on every package :**

"Mix the Lining with cold water; knead it thoroughly, so that every particle is moist and the paste not too soft. Dust and moisten the part, and lay on the Lining to a thickness of less than an inch. Fire slowly until quite hard."

**One 6-LB. PACKAGE WILL DO ANY
ORDINARY STOVE**

Manufactured only by _____

THE CANADA PAINT CO.

LIMITED.

Canada's Leading Paint,
Color and Varnish Makers.

Montreal, Toronto, St. Malo, and Victoria, B.C.



Prompt Shipment to all Letter Orders.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Nov. 11, 1898.

HARDWARE.

THE hardware business has been a brisk one during the past week, the approach of winter freight rates causing more activity, and jobbers are now pushing forward orders as rapidly as possible, while the volume of trade is fully as large, if not larger, than that for the corresponding period last fall. Makers also report activity in bar iron, cut and wire nails, horse nails, horseshoes, bolts, nuts, screws, etc.

BARB WIRE—Very little doing, and values unchanged at \$2 f.o.b. Montreal.

PLAIN WIRE—Quiet and steady, the movement in hay-baling wire being the only business noted, prices ranging from \$1.80 to \$1.85 for Nos. 13 and 15. Other wire is motionless.

WIRE NAILS—There is a good inquiry for these, and the mills are busy with orders also. We quote \$1.70 to \$1.75.

CUT NAILS—There is an active inquiry for these, and the feeling is firm; in fact, an

advance would not surprise traders. We quote \$1.75 f.o.b. Montreal, etc., with 5c. rebate.

HORSE NAILS—There is a good demand for these, and values are steady, discounts being 50 per cent. on Standard, and 50 and 20 on Acadia brand.

HORSESHOES—Makers certainly have plenty of orders, and demand in a jobbing way is fairly active. We quote as follows: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35; toe weight, \$5.50.

SCREWS—There is a fairly good trade doing. Discounts are: Flat head bright 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—There is a satisfactory movement in these. Discounts are: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70

and 5; tire bolts, 70 and 5, and sleighshoe bolts, 80 per cent.

RIVETS—A fair trade is noted. Discounts are: Iron, black and all tinned, sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Quiet and unchanged. We quote as follows: Sisal, 7-16 and up, 10c.; ¾, 10¼c.; 5-16 and ¼, 11c., and 3-16, 11¼c. Manilla was unchanged: 7-16, 11½c.; ¾, 12¼c.; 5-16 and ¼, 13c., and 3-16, 13¼c.

CLOTHES WRINGERS—There is a fair demand for these at \$29 to \$30, as to brand.

BUILDING PAPER—There is a fair demand for building paper, and stocks here are now pretty well assorted. We quote as follows: Tarred fibre, 45c.; dried ditto, 35c.; tarred sheathing, 30c.; dried, ditto, 25c.; tarred roofing, \$1.20.

BELTING—Trade is active and prices rule firm.

HINGES—Continue as last quoted, with a fair demand. We quote: 6 to 12 inch, \$3.50 per 100 lb.; 14 inch, \$2.50; screen door are

Seasonable Goods.



Decorated { Enamelled
Wares.
— Canadian Make.

A large assortment of
**TEA and COFFEE POTS,
Sugar Bowls, Butter Dishes,
CUPS, PLATES and SAUCERS,
TOILET SETS, Etc.**

Order early for your
Christmas Trade.

Perfection Kettles.

**NICKEL
PLATED.**

For Base Burners
Flat Bottom.

FOUR SIZES.

Nos. 4, 5, 6, 7.

Body made of one piece
with neat bent spout.
Handle made with rod in
one piece—cannot fall
apart.

Let us send you a
Sample of each size.



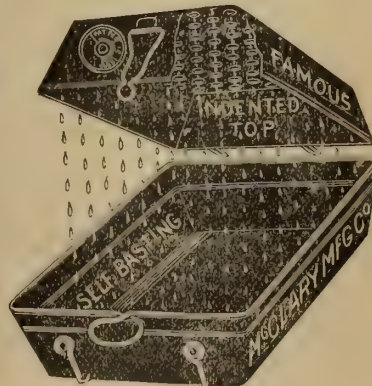
TURKEY TIME.

Famous { SELF
BASTING

... Roasting Pan

THREE SIZES.

	Length	Width	Depth	List Price
No. 20	14	10	7	\$0.80
No. 30	16	11½	8	1.00
No. 40	18½	12½	9	1.20



Self Basting.

The condensed steam drips
from the Indented Cover, con-
tinually basting the contents of
pan.

Wire shoes on bottom of pan
prevent burning on the bottom.
No inside tray to collect dirt.

Easily Cleaned.
Properly Ventilated.

The McClary Manufacturing Company

LONDON

TORONTO

MONTREAL

WINNIPEG

VANCOUVER

The genuine is stenciled "Apollo-Vandergrift"
APOLLO BEST BLOOM
GALVANIZED IRON.

The difference between Apollo and other makes of galvanized iron is: Apollo is right and uniform; others are right, sometimes, by accident.

Apollo Iron and Steel Company
 Vandergrift Building
 Pittsburgh
 Works: Apollo and Vandergrift, Pa.

Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements

F. HYDE & CO.
 31 Wellington street, MONTREAL
 Importers and Dealers.

Abbott & Co.
ROLLING MILLS
.. MONTREAL

MERCHANT BAR IRON—

		BRAND
Best Refined	Bar Iron	AVB
"	Rivet Iron	AVB
"	Horseshoe Iron	
Ex. Best	Bar Iron	AXB
"	Rivet Iron	AXB
"	Stay Bolt Iron	AXB
"	Hammered Iron	AHB
"	Charcoal Iron	ACB

Tyre, Sleigh Shoe,

Axe and Rivet STEEL.

CANADA IRON FURNACE CO.,
 Manufacturers of Limite

CHARCOAL Pig IRON
MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT
 Radnor Forges, Que. Three Rivers.
 Lac a la Tortue. Grand Piles.

Geo. E. Drummond,
 Managing-Director and Treasurer

unchanged at \$6.50 per gross pair and T and strap at 70 and 10 per cent. discount off the list.

SPADES AND SHOVELS—Rule as last noted, with discounts 40 and 10 per cent.

SPORTING GOODS—There is a good seasonable trade in guns, rifles and ammunition.

HOUSEHOLD WARE—Enamel iron ware is inquired for to a considerable extent, but other goods are neglected.

CUTLERY—There is a good sorting demand experienced both for table and pocket cutlery.

CEMENT—Fairly active and steady. We quote as follows: Belgian, \$1.85 to \$2.05; German, \$2.35 to \$2.50, and English, \$2.25 to \$2.35, with domestic \$1.95 to \$2.

FIREBRICKS—Demand fair and values steady at \$16 to \$21 per 1,000, as to brand.

METALS.

Activity in heavier materials continues, and phenomenal strength is again displayed by several of the leading metals, but particularly in sheet zinc, solder and spelter, all of which have scored further advances. Pig and bar iron, steel, etc., also rule very strong in tone.

PIG IRON—This market is steady, and practically all of the round lots of Scotch, ex wharf have been absorbed. Values rule quite firm. We quote: No. 1 Hamilton, \$15.25; to \$15.50; No. 2, \$14.75; Ferrona, \$14.75 to \$15; Siemens, \$14.75 to \$15, and Summerlee and equal brands, \$18, ex wharf, and \$18.50 to \$19 ex yard.

BAR IRON—The advance noted last week is maintained, and demand has been quite active, car lots moving freely from the mills. We quote \$1.40 to \$1.45, as to quantity.

BAR STEEL—The same remarks apply to this line, which is also firmly held.

HOOPS AND BANDS—Have ruled rather quiet this week, but values are firm at \$1.75 to \$2.

SHEET STEEL—Quiet, but steady. We quote: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON—Quiet and unchanged. We quote: \$2.10 on 10 to 16 gauge; \$1.80 on 18 to 20 gauge; \$2 on 22 to 24 gauge; \$2.10 on 26 gauge, and \$2.15 on 28 gauge.

GALVANIZED IRON—Activity continues, and the market has a very firm tone. We quote: "Queen's Head," No. 28, \$4 to \$4.15; and "Comet," No. 28, \$3.75.

INGOT COPPER—Rules higher this week, with light stocks here and a firm market outside. Prices range from 13 to 13 1/4 c.

SHEET COPPER—New import orders

CAST STEEL

"Sanderson's" make, the oldest and most reliable in the market. A large assortment in stock, and import orders promptly filled.

COIL CHAIN

Garland Chain Co.'s make. Special attention to Crane Chain, Dredge Chain, and other high-grades.

ANVILS and VISES

Henry Wright & Co.'s well-known make. Full assortment in stock, at lowest prices.

A. C. LESLIE & CO.

AGENTS
MONTREAL

"GREENING'S

Cow Ties."

These Cow Ties have stood the test for years. Undoubtedly the best and strongest on the market.

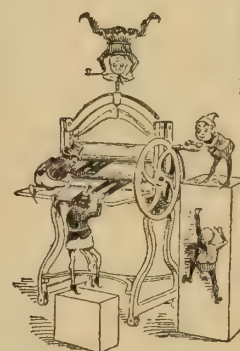
It will pay to handle only the best.

A complete line of all sizes ready for shipment.

For sale by all jobbers.

The B. Greening Wire Co.
 LIMITED

MONTREAL AND HAMILTON.



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited
 Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.
 Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

placed this week necessitated an advance on previous contracts, and, while not quotably changed, the jobbing range is held quite stiff. We quote: 16-oz. at 16c., and 14-oz. at 17c.; tinned copper, 16-oz., 18c.; 14-oz., 18½c.; planished 14-oz., 24c.

INGOT TIN—There appears to be no top to this metal, which has been marked up another ½ to 1c. per lb. on the week. Lamb and Flag is stiff at 20c., and stocks of Straits tin are very light here and the price 1c. higher, at 19½.

FIG LEAD—Continues steady at \$3.70 to \$3.80.

IRON PIPE—The brisk movement in iron pipe noted last week is maintained. We quote: Black pipe, ¼-inch, ¾-inch, and 1½-inch, \$2.35; ¾-inch, \$2.80; 1-inch, \$3.85; 1¼-inch, \$5; 1½-inch, \$6.70, and 2-inch, \$9. Galvanized, ½-inch, \$3.95; ¾-inch, \$4.80; 1-inch, \$6.65; 1¼-inch, \$9.15; 1½-inch, \$11.75, and 2-inch, \$16.

LEAD PIPE—Inquiry active and values steady. Ordinary, 7c., and composition waste pipe, 7½c. Discount, 25 per cent.

CANADA PLATE—Demand for these has slackened, but values are steady. We quote: 52's, \$2.15; 60's \$2.30; 75's, \$2.35; full polished, \$3; galvanized Canada plate, 52's, \$3.75.

TIN PLATE—Firm abroad, but no change here, demand being steady. We quote: Coke, I.C., \$2.90 to \$3.25; charcoal, I.C., Allaway or Comet brands, \$3.25; do, I.X., \$4.10 to \$4.25; Lincoln, \$3.50; P.D. Crown, I.C., \$3.95; do, I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Unchanged, with demand stock at \$6 to \$6.25.

COIL CHAIN—Values are somewhat easier on several sizes while demand is quite brisk. We quote: ¼-inch, \$4.75; 5-16, \$3.50; ¾, \$3.15; 7-16, \$3; ½-inch, \$2.80, and ⅝ up, \$2.80.

SHEET ZINC—Very firm as a result of the situation outside, values advancing this week to 6½ to 6¾c.

SOLDER—Stronger, with an upward tendency at 12¼c.

ANTIMONY—Quiet, but very firm at 9¼ to 9½c.

SPELTER—This metal has advanced very materially on, the week, Vielle Montague being held at \$6 to \$6.25 and American at \$5.50 to \$5.85.

GLASS.

The movement in window glass continues active and prices are steady. We quote as follows: First break, \$1.70; second, \$1.80 per 50 feet; first break per 100 feet, \$3.20; second, \$3.40; third, \$3.75; fourth, \$4; fifth, \$4.50; sixth, \$5; seventh, \$5.50.

PAINTS AND OILS.

The proximity of winter freight rates has added some activity to the paint demand for the past week, and a good deal of general business has been done. Responding to the higher quotations in England, linseed oil has been worked up 1c. per gallon, and is firmly held. Turpentine is quiet at the advance reported last week. Cable advices report a further advance in zinc, the present figures being nearly 40 per cent. higher than a year ago. White lead is also advancing, and higher prices are looked for.

WHITE LEAD—Best brands, Government

standard, \$5.62½; No. 1, \$5.25; No. 2, \$4.87½; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4½c.; kegs, 4¾c.; No. 1, casks, 4¼c.; kegs, 4½c.

WHITE ZINC PAINT—Pure, 7c.; No. 1, 6¼c.; No. 2, 5½c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 50c.; boiled, 53c., five to nine-barrels, 1c. less, ten to nineteen, 2c. less, and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 55c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8¼ to 8½c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4½ to 5½c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

PETROLEUM.

There has been a brisk demand for this article. We quote: "Crown Acme," the new Sarnia oil, is selling at 16c. in small quantities; Canadian refined, 14c.; American prime white, 17c.; water white, 18c.; Pratt's astral, 19½c.

HIDES.

The market is steady and demand fair. We quote: Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3, 7c. Lambskins, 65 to 70c.

MONTREAL NOTES.

Linseed oil has advanced 1c. in response to the strength abroad.

Higher prices are looked for on white lead, which is quite stiff abroad.

Spelter is strong, both V.M. and American being marked up this week.

Sheet zinc has been marked up by jobbers this week from ¼ to ½c. per lb.

Zinc is cabled firmer, and present values are 40 per cent. higher than last year.

Straits tin is very scarce here, and prices are 1c. higher than last week, with Lamb and Flag advancing ½c.

ONTARIO MARKETS.

TORONTO, Nov. 11, 1898.

HARDWARE.

WHOLESALE hardware merchants have been kept pretty busy during the past week. Although a few renewals are being asked for, payments, on the whole, are fairly good. There have been no marked changes in quotations, and prices rule steady. The wire trade is still without improvement. Wire nails are active and cut nails dull. The demand for horseshoes is so heavy that it exceeds the ability of the mills to supply

OAKEY'S

'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

Portland Cements


Best German, English and Belgian Brands

Calced Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.

Largest Stocks. Lowest Prices.
Send for Quotations.

W. McNALLY & CO.
MONTREAL.

ONTARIO LEAD AND WIRE CO., Limited

 **TORONTO**
PRICE LIST.

Clothes Line Wire.

17	Gauge, 7	Strands,	\$4.25	per	1,000	feet
18	"	7	"	-	3.50	" " "
19	"	7	"	-	3.00	" " "

Hollow Cable Clothes Line Wire.

X	-	-	\$3.00	per	1,000	feet
XX	-	-	3.25	"	"	"
XXX	-	-	3.75	"	"	"

Put up in 50 and 100 feet coils.

Trade discount..... %

Terms, 4 months, or 3% 30 days.

F. O. B. Toronto.

N.B.—This wire is manufactured from the best silver steel galvanized wire, and where splicing is necessary the ends are soldered, thus avoiding all injury to linen from rough points.

NOTE.

Our Wire Nails and Barb Wire are Standard, write for prices.

Our Galvanized Steel Twisted Ribbon Fencing is the Cheapest Steel Fence in the Market. (47)

all sizes promptly. Horse nails are also in good demand. The stove bolt trade is brisk, and a nice trade is being done in screws. A good trade is reported in cutlery and in sporting goods. In building paper the feature is a better supply of tarred felt, which has been scarce lately.

BARB WIRE—Prices have been advanced 5c. per 100 lb. in the United States, but prices in Canada rule as before. We quote as follows: Four point, \$1.80 f.o.b. Toronto and \$1.85 f.o.b. London; two point at \$1.90 f.o.b. Toronto. Terms, 30 days or 2 per cent. 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—There is still practically nothing doing, either in fencing or hay-baling wire. Discounts are: Annealed, oiled and annealed, bright wire, coppered steel and spring, 37½ per cent. discount off the list, with allowance of freight up to 20c. per 100 lb.; galvanized, 30 per cent.

WIRE NAILS—Both manufacturers and jobbers are busy, but prices are still unsatisfactory. The ruling base price to retailers is still \$1.75 per keg, Toronto, for ordinary quantities.

CUT NAILS—Still dull. Base price \$1.75 Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—A good trade is being done at unchanged prices. Discounts are as follows: Standard, oval head, 50 per cent. Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—The demand continues to be so brisk that the manufacturers are unable to keep up with it in certain sizes. We quote: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—An active trade is to be noted. Discounts are as follows: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—The demand for stove bolts is more than the manufacturers can keep up with. In other descriptions of bolts the demand is just moderate. We quote as follows: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¾c.; hexagon, 5¼c.

RIVETS AND BURRS—The demand is good

COVERING FLAT ROOFS

With our

PRESSED DOUBLE CAP
READY ROLL CAP
or V CRIMPED IRON

ROOFING

Either Galvanized or Painted.

They give fireproof protection—are easily applied—and can always be relied on for serviceable durability.

Our catalogue gives full instructions for ordering and laying these goods, with illustrations. Have you one?

The **METALLIC ROOFING CO., Limited**

1179 King Street West, TORONTO

We quote: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE—There is no change, the demand still being dull. We quote: Sisal, 7-16 in. and larger, 10c.; ¾ in., 10½c.; ¼ and 5-16 in., 11c.; Manilla, 7-16 in. and larger, 11½c.; ¾ in., 12c.; ¼ and 5-16 in., 13c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—Trade is fair. We quote as follows: Rope halters, ¾ in., \$8.25 to \$8.50 per gross; ½ in., \$9.25 to \$9.50; ¾ in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—Business continues good. Discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Trade keeps fair. We quote: "New Leader," "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BELTING—A fair trade is still to be noted. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting:

"Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

BUILDING PAPER—Business is good, and there is now a better supply of tarred lining. We quote as follows: Plain building, 28 to 30c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.45 to \$1.50 for 10 oz. and \$1.50 to \$1.60 for 16 oz. per 100 lb.

CEMENT—There is but a moderate demand, yet prices continue well maintained. We quote in barrel lots as follows: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.50; Canadian hydraulic cements, \$1 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

METALS.

While our quotations remain much as a week ago, the outside markets are firm on tin, copper, tinplates and other metals. Locally, a fairly good trade is being done.

PIG IRON—The market in the United States is quiet and easier. Locally, there is nothing of interest to note. We quote as follows: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80. Hamilton iron, No. 1, in 100-ton lots, \$14, on track Toronto.

BAR IRON—Trade is fair at the base price of \$1.45 from stock and \$1.35 from factory.

BAND IRON—Trade is fair. We quote: 1 to 6 inch, \$1.65 from factory, and \$1.75 per 100 lb. from stock.

SHEET STEEL—Trade is moderate and devoid of special interest. We quote: 12

gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—There is still no improvement. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Trade is keeping up well, still being brisk. We quote as follows: Queen's Head, 16 gauge, \$3.75; 18 to 24, \$4; 26 gauge, \$4.25; 28 gauge, \$4.50. American makes, 16 gauge, \$3; 18 to 24, \$3.15; 26 gauge, \$3.40; 28 gauge, \$3.75. In "Queen's Head," less than case lots, are quoted 25c. per 100 lb. higher than above figures.

INGOT COPPER—The advance is being well maintained, but sales are light. We quote 13 to 13½c. per lb.

PIG LEAD—The demand is fair, with the tendency of prices upward. Our quotation for imported is still 4c.

LEAD PIPE—A fairly good trade is being done in lead pipe. We quote: Ordinary pipe, 7c., and composition waste, 7½c., with 25 per cent. discount.

IRON PIPE—Business continues brisk, with difficulty still being experienced by jobbers in

getting supplies. We quote: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.30 to \$2.35; ½ inch, \$2.30 to \$2.35; ¾ inch, \$2.80; 1 inch, \$3.95; 1¼ inch, \$5.20; 1½ inch, \$6.75; 2 inch, \$9.10. Galvanized, ½ inch, \$3.95; ¾ inch, \$4.80; 1 inch, \$6.75; 1¼ inch, \$9.15; 1½ inch, \$11.75; 2 inch, \$16.

TUBING—We quote: Block tin, 30c., and tin lined, 15c., with 10 to 20 per cent. discount.

RANGE BOILERS—Trade keeps fair. We quote: Galvanized, 30 gals. \$5.25; 35 gal., \$6; 40 gal., \$7; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES The colder weather is increasing sales. All-bright is getting scarce and prices are in consequence being more firmly held. We quote: All-bright, \$2.85 to \$3; half-polished, \$2.35; all-dull, \$2.25.

TIN PLATES—A fairly brisk trade is reported. We quote: Cokes, \$3 to \$3.10 for 14 x 20; do., squares, \$3.15 to \$3.25; \$6.25 for 20 x 28; charcoal plates, \$3.50 to \$3.60 basis for good brands.

COIL CHAIN—Trade keeps fair. We quote as follows: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ⅝ in., \$2.80; ¾ in., \$2.75.

SHEET ZINC—Not much doing, but prices are firm. We quote: 7¼c. for cask lots and 7½c. for small lots.

ZINC SPELTER—Trade is light at 5¾ to 6c. per lb. for foreign.

SOLDER—The demand is light and prices unchanged. We quote: Half-and-half 13½ to 14c.; standard, 13 to 13½c.; wire, 13c.; wiping, 11½c.

PAINTS AND OILS.

While one house reports a fair week's business, the general verdict is that there has been a falling off, especially in dry colors, prepared paints and sundries. Turpentine and white lead have also been quiet. Linseed oil seems to be the most active article on the list. The strong undertone to the varnish branch still exists, and the turnover is encouraging. Colors ground in oil, and coach colors in japan, are in good consumptive demand. Prices are unchanged throughout. Indications are not wanting that all staples will be much higher next spring. One item, Oxide of zinc, has advanced by leaps and bounds. There are rumors of a considerable advance in dry white lead. We quote as follows:

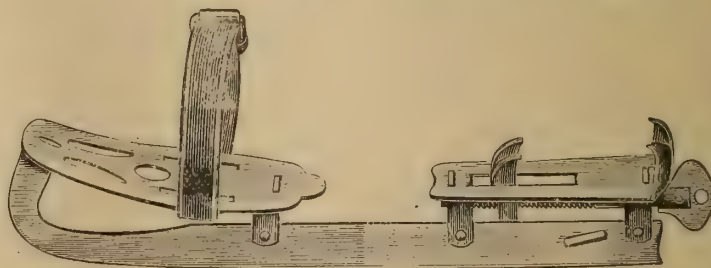
WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

A GREAT BARGAIN

All Steel Skates with Toe Strap

20c. PER PAIR



Boys' Sizes, 9½, 10, 10½, 11 in.

Also other lines of Henry Boker's Skates.

For sale by

Caverhill, Learmont & Co., Montreal.
Rice Lewis & Son, Toronto.

H. S. Howland, Sons & Co., Toronto.
Wood, Vallance & Co., Hamilton.

John Bowman Hardware & Coal Co., London.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lb. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 51c.; boiled, 1 to 4 barrels, 54c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 56c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

Business is inclined to be quieter than last week, though there is still a large movement reported. The falling off is probably due to the weather, which has been unsatisfactory all week. One feature especially noticeable this fall has been that larger sizes than usual have been bought for storm sashes, and a larger proportion than customary has been double diamond. In previous seasons the glass used for this purpose was almost all in first and second break sizes, but now much so used is as large as 30 x 36 inches. There is a large movement in plate glass. Ornamental and leaded glass have been inquired after to an unusual degree. We quote: First break in 50-foot boxes, \$1.80 and in 100-foot boxes, \$3.40; double diamond under 25 united inches, \$5.25, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

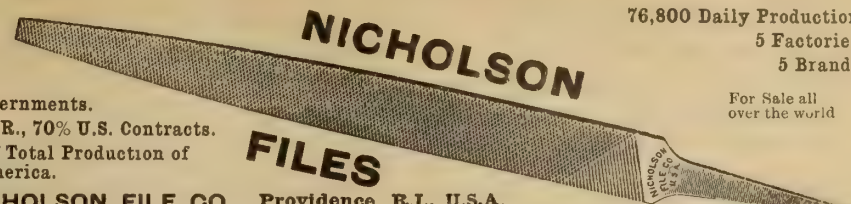
MARKET NOTES.

Barb wire is 5c. per 100 lb. dearer in the United States.

Rice Lewis & Son, Limited, report that Boker's skates are taking well with the trade.

H. S. Howland, Sons & Co. have in stock a large quantity of Ely's job shells, 12 gauge, which, in quantities or for prompt orders, they are prepared to quote special prices upon.

76,800 Daily Production.
5 Factories.
5 Brands.
For Sale all over the world



16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.
NICHOLSON FILE CO., Providence, R.I., U.S.A.

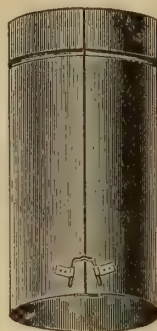
BRITISH PLATE GLASS COMPANY, Limited.

Established 1773

Manufacturers of **POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS.** Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glas." St. Helens. Telephone No. 68 St. Helens.

CLOSED.



BARCLAY'S PATENT "TRIUMPH" Adjustable Stove Pipe

Can be put up by the most inexperienced.
So constructed that when taken down can be nested and stored in small compass.

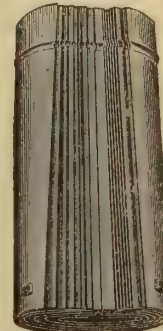
Manufactured by

G. B. BARCLAY

168 Adelaide St. W.

TORONTO

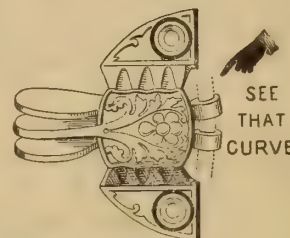
NESTED.



In Crates of 25.

The Philosophy of the Cooke Sash Lock:

"A straight rod can't pass through holes that are not in line."
"The Rod of the Cooke Sash Lock is straight."
"The Holes in the lugs are never in line except when thumb pieces are pressed together."
"You can't forget to lock securely; when your hand leaves the thumb pieces, the sash is locked."



SEE THAT CURVE

COOKE HARDWARE CO.

HAMILTON, ONT.

Globe Brand Files and Rasps. Crescent Brand Files and Rasps.



WALTER GROSE, Montreal.
Sole Selling Agent.

THE GLOBE FILE MFG. CO.
(46) Port Hope, Ontario.

"Globe" Brand Files are made from High-grade Crucible Tool Steel, and are guaranteed to cut faster, and wear longer, than other makes.

"Crescent" Brand Files are made from First Quality Crucible File Steel, and are the best low-price file in the market. For sale by all prominent Hardware Jobbers from Halifax, N.S., to Victoria, B.C.

Manufactured by

THE New White Metal Polish "Nanon"

The Queen of Polishes.

Imparts instantaneously a dazzling and lasting

BRILLIANCY

to Brass, Tin, Nickel, Zinc, Gold, Silver, etc. Free from grit or emery, and will not scratch the finest surface.

Samples on Application.

LAMPLOUGH & McNAUGHTON

Montreal

Sole Agents for Canada.

ADAM HOPE & CO.

30 JOHN STREET

Hamilton

Offer for sale ex Store and to arrive

PIG TIN

Boustead & Co's Brand.

Straits Brand.

Lamb and Flag Brand.

Market Strong.

WIRE FOR PRICES

BUSINESS CHANGES.**DIFFICULTIES, ASSIGNMENTS, COMPROMISES.**

JOHAN M. D. HAINS has been appointed provisional guardian of F. M. Sullivan, dealer in safes, etc., Montreal.

Curry Bros., general merchants, Andover, N.B., have assigned.

Adolphe Gagnon, general merchant, Les Escoumans, Que., has assigned.

Mrs. F. Dumas, hardware dealer, Quebec, has effected a compromise.

R. L. Hillman, painter, Leamington, Ont., is offering 50c. on the dollar.

Cauchon & Frere, general merchants, Etchemin, Que., have effected a compromise.

A. L. Jaffe, sawmill owner, Rossland, B.C., has satisfied a chattel mortgage of \$1,856.

Oliver Guerrete, general merchant, Notre Dame Du Lac., Que., has compromised at 35c. on the dollar.

E. N. Reynolds, general merchant, Lower Haynesville, N.B., is asking an extension of time to 6, 9, 12, 15 and 18 months.

Hugh Smith, general merchant, Flatlands, N.B., is offering 15c. on the dollar cash, or 20c. in four months, secured.

Paradis & Jobin have been appointed curators of Metinier & Boivin, general merchants and sawmillers, St. Damien (Bellechasse Co.), Que. This firm is now offering 55c. on the dollar.

PARTNERSHIPS FORMED AND DISSOLVED.

I. & P. Wiltse, general merchants, Athens, Ont., are about dissolving.

La Boeuf & Janisse, general merchants, Tecumseh, Ont., have dissolved.

Hylan & Hafer, machinists, Victoria, have dissolved, L. Hafer continuing.

McIntosh & Co., general merchants, Morris, Man., are contemplating dissolution of partnership.

Eba C. Pelton and Bessie C. Ralston have registered partnership under the style of B. W. Ralston & Co., general merchants, Amherst, N.S.

SALES MADE AND PENDING.

F. C. Boles, hardware dealer, Trail, B.C., is advertising to sell out.

R. P. Hagerman, general merchant, Escott, Ont., is selling out.

G. L. Hilliard, blacksmith, Cranbrook, B.C., is advertising his business for sale.

The stock of the late James Hart, general merchant, Picton, Ont., is advertised to be sold by auction Nov. 15.

CHANGES.

I. M. Citron, general merchant, Thompson Landing, B.C., is closing out.

P. J. Shiels, general merchant, Lyndhurst, Ont., is giving up business.

James Thompson & Bros., general mer-

chants, Lyndhurst, Ont., are about removing to Havelock, Ont.

F. P. Bruneau, blacksmith, Lyster Station, Que., is opening up a general store.

Jane A. King, general merchant, Port Albert, Ont., is removing to Wingham.

The Canadian Oil and Coal Co., Montreal, has made application for incorporation.

Geo. Ashdown, hardware dealer, Morden, Man., has opened a branch at Winkler.

A. Doyon, saddler, St. Sebastien de Beauce, Que., has retired from business.

T. Hurst, general merchant, Tobermory, Ont., has been succeeded by Robert Gillies.

Andrew H. Green, general merchant, Carlow, Ont., has been succeeded by W. N. Howell.

Timothy P. Crowe has registered as proprietor of John Crowe & Sons, blacksmiths, Montreal.

E. A. Curvin, dealer in agricultural implements, Roseneath, Ont., has removed to Cobourg.

Tooms & Co., general merchants, Carman, Man., have sold out to The Carman Trading Co.

T. F. Struthers, general merchant, Roseberry, B.C., is removing to Greenwood City, B.C.

W. M. Law & Co., general merchants, Greenwood City, B.C., have removed to Niagara.

Mrs. E. Chipman, general merchant, Singleton, Ont., has sold out to Chas. W. Singleton.

John R. McPhail, hardware dealer and grocer, Prince Albert, N.W.T., has sold out to James McArthur.

The Under-Feed Furnace Co., Toronto, has sold out to the General Engineering Co., of Ontario, Limited.

S. R. Edwards, dealer in implements, Indian Head, N.W.T., has sold out to Jas. McNaughton, of Qu'Appelle.

FIRES.

Alex. Watson, general merchant and sawmill, Kinmount, Ont., has suffered slight damage by fire.

A. P. Manson, general merchant, Sintaluta, N.W.T., has been burned out; loss \$6,000; insurance \$3,500.

DEATHS.

T. D. Caron, machinist, Quebec, is dead. Samuel Gowan, blacksmith, Glencairn, Ont., is dead.

Geo. Gendreau, of Geo. Gendreau & Fils, general merchants, Arthabaskaville, Que., is dead.

The Waterloo Manufacturing Co., manufacturers agricultural implements, Waterloo, Ont., are running 12 hours a day, with the largest complement of hands they have ever employed. They are likely to extensively increase their capacity next year.

HE IS TO BE CONGRATULATED.

In conversation with the manager of The Fairbanks Scale Co., he informed **HARDWARE AND METAL** that his firm was becoming very much Canadian, inasmuch as it had decided to add several Canadian manufactures to its already extensive business. It is now carrying a full line of The Nova Scotia Steel Co.'s shafting, besides being agents for the following Toronto houses: The Dodge wood split pulley and Beardmore's belting. It has also lately been appointed agent for Norton's emery wheels of Worcester, Mass. Business is good in all lines with the firm, particularly steamfitting supplies.

A FORM OF BALANCE SHEET.

New Investment.....		\$5,600	...
Net Gain.....		2,261	..75
Resources.....			
Cash on hand.....	\$ 500		
Mdse on hand.....	5,198	07	
Accounts receivable.....	1,782	03	
Bills receivable.....	517	60	
Real Estate.....	1,836	33	
Furniture.....	223	48	
Stocks and Bonds.....	1,000		
Liabilities.....			
Accounts payable.....		790	75
Bills payable.....		1,180	25
Mortgages payable.....		1,000	
Other liabilities.....		224	76
.....	\$11,057	51	\$11,057 51

— "How to do Business."

NEW-LAID NAILS.

Our joke editor, says The S. A. Register, visited a nail factory, and relates an impression. "I watched the nails," he says, "as they fell from the ponderous machines, fast as raindrops. Strange feelings and fancies rushed into my mind like a torrent. I stopped and picked up a brand new, ruddy-looking nail as a memento of my visit. Then I laid it down again—sadly, but not slowly. I have an 'impression' that a new-laid nail, like a new-laid egg, is warm, and that the warmth is more perceptible in the case of the nail than of the egg. It may not be so in every instance. I presume there may be some nails laid cold; but the one I picked up was not cold, and I did not investigate any further."

FOR \$267.50 I will insert a fifty line advertisement twenty times in fourteen (14) of the best papers, in the 11 largest cities in Canada. A snap for Holiday and Winter Goods. All good mediums, representing a circulation of over 150,000 copies per issue. Write at once for details to THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.

McLaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers
Montreal
Price Lists on application



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed
Nuts, Square and Hexagon

KNOX HENRY.

Heavy Hardware and Metal Broker
Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—C Brand Horse Nails—Canada
Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—
Chalcraft Screw Co.

BRASS GOODS—Gunn Costor Co., Limited,
Birmingham, Eng.

The Hull Oil Manufacturing Company

LIMITED

HULL, ENGLAND



Registered

Trade Mark.

British Manufactured Castor Oils.
GUARANTEED PURE.

Pure, Tasteless, Cold Drawn, Pharmaceutical.
Pure First Pressure.
Pure Second Pressure.
Packed in ½ cases (of 2 tins) and barrels. Kept in stock
by all first-class hardware, oil and color men.

B. & S.H. THOMPSON & CO.

Agents for Canada

MONTREAL

Lockerby & McComb

Manufacturers of

WOODENWARE of all kinds
WASHBOARDS, SLEIGHS
TOY CARTS, WAGGONS
CROKINOLE GAME
"CROQUET A SPECIALTY"

Factory, 144 Ann Street.

Office and Warehouse, 65 Shannon Street
MONTREAL

BOLTS STOVE TIRE

RIVETS OF ALL KINDS.

Montreal Agent—KNOX HENRY,
Board of Trade Bdg.

Toronto Agent—LOUIS HUFFMAN,
1634 King Street West.

CHALCRAFT SCREW CO. BRANTFORD, ONT.

We are the Oldest and Largest Manufacturers of

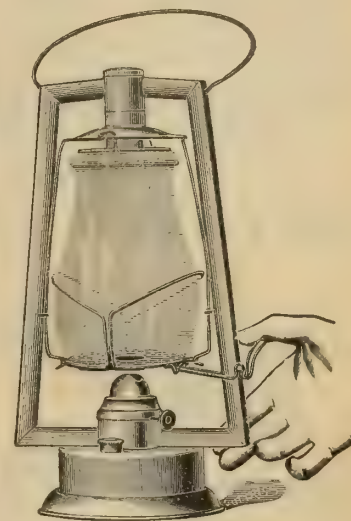
SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you
want proper goods at proper prices you should write us,
which please do if interested.

The...

John Morrow Machine Screw Co.
Ingersoll - Ontario.

The Best Made Anywhere.



E. T. Wright & Co.

Manufacturers

HAMILTON, ONT.

ABOUT HORSE-NAILS:—

Two-thirds of one cent represents very fairly, the total amount a farrier will apparently save on the average cost of nails consumed in shoeing a horse, by using the cheapest grade, and lowest priced horse nails sold in Canada, as compared with the cost of the best obtainable, viz.: the old and reliable "C" brand.

A 25-lb. box of No. 8 "C" brand oval head horse nails contains about 2,500 nails, which quantity will be sufficient to shoe seventy eight horses, allowing 32 nails to each full set of shoes. The farrier will receive at least one dollar and twenty-five cents as his charge for each set of shoes; in some localities more; the total value of his services for shoeing 78 horses, will therefore, at current rates, average about one hundred dollars; on this amount it is possible he can reduce the cost of material used by about fifty cents, in substituting a box of "cold process" or other cheap grade horse nails, which are made from American Steel Wire Rods. This reduction in cost represents about two-thirds of one cent on each set of shoes; or one-half per cent. on the value of the work when done! We believe if these facts were made known, that every intelligent farrier in Canada, who takes a pride in doing only the best work, would not hesitate to pay such a trifling advance as two-thirds of a cent for the "C" brand nails, which we claim are not only the best in Canada, but are not surpassed by any other maker in the world. We have made and sold horse nails exclusively in Canada for the last 33 years, always using the best quality of Swedish Charcoal Iron Nail Rods as our material, and by our process of manufacture producing as perfect a nail as possible in quality, pattern and finish. A reduction in cost of manufacture by using other than the best Swedish material, or the "hot-forged" process, is effected at the expense of quality. Our nails will be found easier to drive, to prove tougher, and hold the shoe on longer than others; therefore more economical to use. Every nail we sell you under the "C" brand is fully warranted to be perfect; therefore no risk in buying, nor trouble in selling them. It is false economy to purchase "cheap" nails; the best are always the cheapest.

You can do all your horse nail business with the "C" brand. Why keep two stocks on hand? When your orders are sent through any hardware merchant, always insist upon having our nails, and refuse all substitutes. If you cannot obtain the "C" brand, please advise us. Our name and brand is on each box of our manufacture; none otherwise are genuine. Prices and samples on application.

CANADA HORSE NAIL COMPANY MONTREAL.



EMERY

Cloth and Paper.
Glass and Flint Paper.

"Atlas" Brand

"FLORA" Knife Polish, in 3d, 6d
and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality
for general and
special purposes.

EMERY GRINDING MACHINERY.



Write for Latest Catalogues and Samples to

THE LONDON EMERY WORKS CO.,

10-12 Vine Street
Clerkenwell,

LONDON, E.C.

METALS

HARDWARE

GLASS



GOVERNMENT SNIDER RIFLES

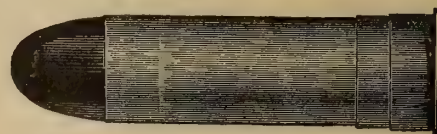
Ball and Shot Ammunition.

Enquiries Solicited from Merchants only.

(47)

CAVERHILL, LEARMONT & CO., - MONTREAL

SNIDER . . . AMMUNITION



We are prepared to supply the trade with any quantity of the above Ammunition, having bought a large supply from the Government.

We are prepared to give quotations on any quantity to the trade.

CORRESPONDENCE SOLICITED.

LAMPLOUGH & McNAUGHTON

MONTREAL

(46)



SEALED TENDERS addressed to the undersigned, and endorsed "Tender for New roof-covering of Post Office Building, Montreal, Que.," will be received until Monday, 14th November, 1898, for the renewal of the roof-covering of the Post Office, Montreal.

Plans and specification can be seen and form of tender and all necessary information obtained at this Department and at the office of the Clerk of Works, Post Office, Montreal.

Persons tendering are notified that tenders will not be considered unless made on the printed form supplied and signed with their actual signatures.

Each tender must be accompanied by an accepted bank cheque made payable to the order of the Honourable the Minister of Public Works, equal to ten per cent. of amount of the tender, which will be forfeited if the party decline to enter into a contract when called upon to do so, or if he fail to complete the work contracted for. If the tender be not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order,

E. F. E. ROY, Secretary

Department of Public Works,
Ottawa, October 29th, 1898.

Newspapers inserting this advertisement without authority from the Department will not be paid for it. (46)

CAPITAL CITY BUSINESS COLLEGE.

A. M. Grimes, M. A., Principal.

Shorthand, Bookkeeping, Penmanship, Telegraphy, Business Correspondence and Proofreading. Pitman's or Munson's Shorthand, per month, \$4.00; White's Phonography, per month, \$8.00; Telegraphy, per month, \$8.00; Bookkeeping and Business Practice, per course, \$35.00; Bookkeeping and Business Practice, per month, \$5.00; Penmanship, per month, \$3.00; Night School, per month, \$3.00; Private Lessons, each, \$1.00. Address, A. M. GRIMES, Principal, Cor. Bank and Sparks Sts., Ottawa.

ISLAND CITY Paint and Varnish Works

.. Manufacturers of ..

**READY MIXED PAINTS and
FINE COACH VARNISHES.**

WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.

WORKS 274 St. Patrick St., MONTREAL.

ILLINOIS CUTLERY CUTS!



No. 1 Bread Knife Set.

One each, Bread, Cake and Paring Knife, malleable and ferrule, firmly riveted to steel blades, will cut hot or cold bread without crumbs. Each set in paper box.

PAT. AUG. 15, 1893.



Combined Grater and Saw Cutter.

The only one; slicer and grater are detachable; slicer sheet made of Apollo galvanized iron with steel cutting blades. It will slice cabbage apples, potatoes, cucumbers, onions, turnips, beets, and everything in the vegetable line. It is a time and labor saver; is used in the kitchen every day.



Famous Parer and Slicer.

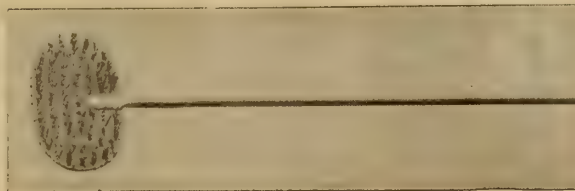
Polished beech handle, nickel plated steel blade and ferrule, takes off an even peel, easily sharpened and cleaned. The best paring knife for potatoes, apples, pears, turnips, quinces and firm peaches. Write for our catalogue.

Sole Canadian Agents, Squire, Watson & Co., Montreal, Canada; Chas. E. Santo, London, Canada.

ILLINOIS CUTLERY COMPANY,
Decatur, Ill., U. S. A.

NOW is the time to
lay in a Stock of...

CHAMPION FURNACE BRUSHES



Steel Block—Steel Brush—Steel Handle—ALL STEEL.

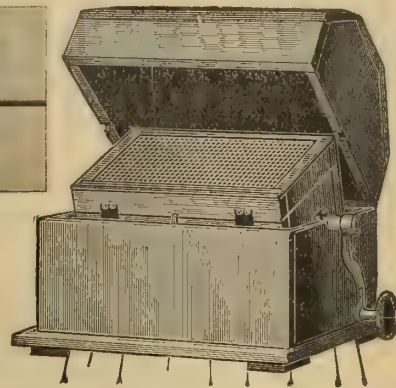
Also
of..

Champion Cinder Sifters

The best sifter in the market. No dust—easy to work. Never gets out of order, and cleans cinders perfectly. Send for prices.

MEAKINS & CO.

313 St. Paul Street, MONTREAL



STEVENS ...FINE TOOLS

We make a perfect line
of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool
Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.

P.O. Box 216.

Chicopee Falls, Mass, U.S.A.

Carried by our representatives at Toronto and Montreal.

PERFECTION AUTOMATIC REVOLVER.

NEW Automatic shell extracting,
double action, small frame.
Weights 12 oz. Rebounding lock. 32
caliber. 5 shot.

Made with shorter barrel for bicycle
use.

The most perfect small pistol made.



SEND FOR
CATALOGUE.

Forehand Arms Co.

Manufacturers of
the

Forehand Guns

Worcester,
Mass.

PAINTING CAN ONLY BE DONE WELL
BY USING THE BEST MATERIALS.
THESE CAN BE OBTAINED
TO BEST ADVANTAGE

— FROM —

Henderson & Potts

NOVA SCOTIA PAINT AND VARNISH WORKS.

Sole Agents for the Dominion for

Manufacturers
of ...

White Lead and Coloured Paints

Ready Mixed House and Floor Paints

Japan Coach Colors and Varnishes

Oil and Varnish Wood Stains, etc.

HALIFAX, N. S. and 747 CRAIG STREET, MONTREAL.



HEATING AND PLUMBING

PLUMBING AND HEATING CONTRACTS.

FIDDES & HOGARTH, Toronto, have the contract for hot water heating "Chudleigh," the residence of Geo. Beardmore, Beverley street, Toronto.

J. R. Seager, Toronto, has the contract for plumbing and hot water heating the residence of E. A. Kantell, Rosedale, Toronto.

The Bennett & Wright Co., of Toronto, Limited, have the contracts for plumbing and hot water heating two residences on Jarvis street for John Morrison, and for two residences for Dr. Ryerson, Bloor street, Toronto.

T. O'Connell, of Montreal, has the following contracts: The plumbing, heating and ventilating of two houses and two stores for T. Collins; the plumbing, heating and ventilating of two houses for Beckin & Scott; the heating of a house for Mr. McCaughan; the plumbing of The Lachine Hydraulic Works, and the overhauling and putting in of a pair of twin boilers for The Mount Royal Electrical Co.'s offices.

J. F. O'Brien has the contracts for putting in eleven 20th century closets in St. Henry schools, and thirty-six in Maisonneuve schools, for Catholic school commissioners.

PLUMBING AND HEATING NOTES.

F. Horton, plumber, Montreal, is dead.

Only three unimportant permits have been taken out, at Toronto, this week.

Five years ago James F. Burns was working as a plumber in Colorado Springs, and thanking his stars that he was able to earn \$22.50 a week. To-day, says The Denver Post, he is worth between \$8,000,000 and \$10,000,000. He is the president of the Portland Mining Co., the richest concern of the kind in Colorado, perhaps in America. And he is 35 years old.

BATHS GALORE.

Thackeray rejoiced when he heard that the demand for "bath-tubs," as he called them, had increased. It must be owned that his jubilation was not due to any sympathetic regard for the interests of makers and sellers of these useful adjuncts of the toilet, but sprang rather from the hope that the enlarged sale evidenced a quickening of the desire for personal cleanliness on the part of the "Great Unwashed." One wonders what the great satirist would have felt had he lived until now, when a bath is re-

garded as a necessary fixture even in cottages. Bath manufacturers are not a little pressed just at present to produce their goods as fast as they can sell them. I have just heard of one firm who, at the present moment, have on their books unexecuted orders for no fewer than 2,500 plunge-baths. This is something like business.—"Vulcan," in Ironmonger.

SOIL POLLUTION.

AMONG the various influences which tend to promote health or produce disease, there are, perhaps, none more deserving attention than the subject of soil pollution and its climatic effect, writes Dr. F. A. Lyman in Medical Age.

The soil may be polluted by means of surface defilement, by omission in removing offensive matter, by slovenliness and neglect in disposal of refuse matter, garbage, slop-water, etc., which rapidly undergo fetid decomposition and give off poisonous vapors which pollute the surrounding air and everything it contains. The liquid parts, as well as the gases, pass into the soil and pollute it by soakage, causing soon a filth-sodden soil injurious to health. Such soil forms a favorable place for development of the germ of disease. The foul air rising from such soil pollutes the air of houses far and near, and favors enteric fever, cholera and dysentery.

The excreta, both of man and domestic animals, furnish the most frequent source of soil contamination. This is the most dangerous source of pollution, and the most difficult to prevent. Excreta pass by leakage from faulty sewers and drain pipes, from the common privy vault, and from cess-pools, soaking the surrounding soil. If the source of pollution is near dwellings, the soil under them becomes polluted, and foul air rises and enters through the cellar into

the dwelling. The common privy furnishes the most dangerous source of soil pollution. Foul gases, and even the liquid contents, pass into the surrounding soil, charging the ground, air, and water. The filth leaks into nearby wells and springs, defiling their pure water, rendering it unfit and unsafe for drinking purposes. The surface of the ground is no indication as to the kind or position of the underlying stratification. Filth may soak the ground for a distance, then reach a clay stratum, along which the ground water carries it on its way to contaminate the wells and springs it supplies. By chance, ground pollution may not cause trouble until infected excreta reach the polluted soil, when epidemics follow and call attention to the evil.

The above is a good argument against the leaching cesspool.

HE LIKED THE RADIATOR.

He used to sing of sylvan nooks,
Where nymphs and fauns would stray,
He often told of babbling brooks
In an ecstatic way,
But now o'er him a mournful air
At thought of them expands,
He's looking for the corner where
The radiator stands.

No more he seeks with eager ear
The murmuring of the stream,
All anxiously he bends to hear
The sizzle of the steam.
Though from the dust no bloom springs fair
'Mid coils and iron bands,
He turns and hugs the corner where
The radiator stands.

—Plumbers' Trade Journal.

DEATH OF PLUMBER HORTON.

Mr. F. Horton, the well-known plumber, 55 Metcalfe street, Montreal, is dead. Mr. Horton had been suffering from an attack of typhoid fever, which set in some three weeks ago. Mr. Horton was 42 years of age, and leaves a widow. The funeral took place Saturday afternoon, and was largely attended.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

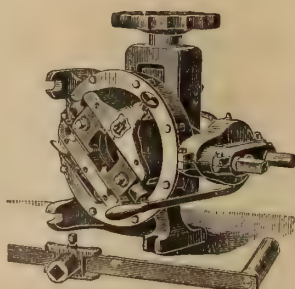
Armstrong's Adjustable Stocks and Dies,
Vises (hinged), Wrenches, Pipe Cut-
ters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.

THE ARMSTRONG MFG. CO.

New York Office,
139 Centre Street

Bridgeport, Conn.



New No. 0 Threading Machine.

THE . . . DOMINION RADIATOR COMPANY

LIMITED

Dealers

in the most complete line of

Steamfitters' Specialties

HEAD OFFICE and WORKS:

340 to 376 Dufferin Street

TORONTO, ONT.



Steam Traps, Separators
Wrought Iron Pipe
Cast and Malleable Fittings
Also Galvanized Pipe and Fittings
Brass and Iron Body Valves, etc.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of
Tinplate, Tinned Sheets, Terne Plates, Canada Plates, Gal-
vanized Sheets, Imitation Russia Sheets, Black Sheets—Iron
and Steel—Hoops and Bands, Proved Coil Chain, Brass and
Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

PATENTS
PROMPTLY SECURED

Write today for a free copy of our interesting books
"Inventors Help" and "How you are swindled."
We have extensive experience in the intricate patent
laws of 50 foreign countries. Send sketch, model or
photo. for free advice. **MARION & MARION,**
Experts, New York Life Building, Montreal, and
Atlantic Building, Washington, D. C.

T. L. Paton.

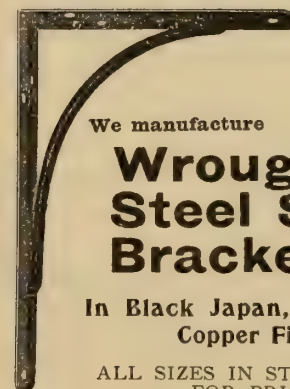
30 St. Francois Xavier St., MONTREAL.
Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
Wholesale trade only.

IRON PIPE and FITTINGS

Valves and appliances for

STEAM and HOT WATER
HEATING.

THE JAS. MORRISON BRASS MFG. CO.
TORONTO Limited



We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and
Copper Finish.

ALL SIZES IN STOCK. SEND
FOR PRICES.

H. R. IVES & CO., Montreal.

Standard Steel Toe Calks



WRITE
FOR
DISCOUNTS.



Sizes—No. 0 to 7, 1½ to 3 inches. Price \$1.00 Per Box of 25 lbs.
in Bulk, or 24 lbs. in 4 lb. Packages.

Sizes—No. 0 to 5, 1½ to 2¾ inches. Price \$1.25 Per Box of 25 lbs.
in Bulk, or 24 lbs. in 4 lb. Packages.

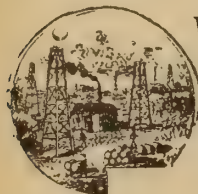
JAMES PENDER & CO., Limited, = **Saint John, N. B., Canada.**

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

... TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.**VanTuyl & Fairbank**

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.**PARIS ELECTRO PLATING CO.**

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings
Piano Stool Feet, Novelties, etc. Bicycle Work
a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.We have added a large moulding shop to our establish-
ment, and are making a specialty of fine castings.**PARIS ELECTRO PLATING CO., Paris, Ont.**
Quotations gladly given.**STEEL LETTERS
AND FIGURES,
STEEL STAMPS**If your jobber does not
keep our goods, write us
direct, we are the manufac-
turers.**Hamilton Stamp &
Stencil Works**
Hamilton, Ont.Send for 100-page catalogue
Stamp and Stencil goods.**The Portland Rolling
Mills Co., Limited**

Manufacturers of

Refined Bar Iron
Railway Spikes
Pressed Spikes
Nails and Tacks

"Diamond" Brand Horse Shoes

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**"JARDINE"
TIRE UPSETTERS
WILL UPSET TIRES**Some machines sold as Upsetters will not.
Perhaps you make as much money on the
sale of a useless Upsetter as on a good
one, but your customer does not. He
don't want a machine because it is called
an Upsetter; he wants a machine to upset
tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.Gives universal satisfaction. Every blade stamped with
our name or trade mark we guarantee to be made of the
best steel.**E. F. WALTER & CO.**
MONTREAL**The Toronto Patent Agency**

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TORONTO, ONT.**General Patent Agents in procuring Home and Foreign
Patents and all matters pertaining to Patents and Patent
Causes, also the buying and selling of Patents, and the
Organizing and promoting of Joint Stock Companies. List
of 500 inventions wanted and list of Canadian Patented
inventions for sale, mailed to any address free, address**The Toronto Patent Agency**

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TORONTO, ONT.**Who
Pays?**You can easily see
why it might be possible
for YOU to pay an extra
profit to a manufacturer
for a money loss on a
long-time credit account
The "good man" would

(to a certain degree) have to pay for the other man's goods.

Bad debts are reduced to the minimum here—we have no long-
time credit accounts. Our terms are "30 days only." There's no
varying scale of terms for "friendship's sake"—there never will be,
because it isn't business, as we look at business.YOU do not have to pay
for another man's goods, be-
cause our terms, "30 days
only," are inflexible.**Boeckhs'
Brooms and
Brushes.****BOECKH BROS. & COMPANY, Mfrs.**
TORONTO, ONT.**HUTCHISON, SHURLY & DERRETT**

1078 BLOOR STREET WEST, TORONTO.

Manufacturers of

Cotton, Jute, Hemp and Flax
Twines and Cordage
Mill Banding and Driving Ropes
Chalk and Fishing Lines
Seine Twine, Hammocks, Tennis
Cricket and Fly Nets
Cotton Rope and Clothes Lines
Plough Lines, etc.

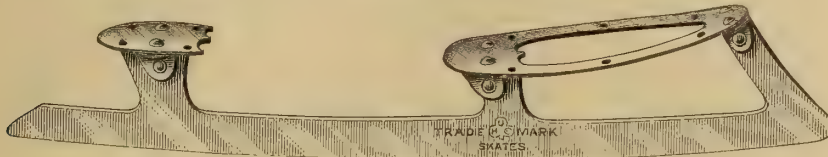
UNION HOCKEY SKATES



These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH**, which is guaranteed. **WEIGHT**, which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT** and **HANG** for ease of stroke and cutting corners.



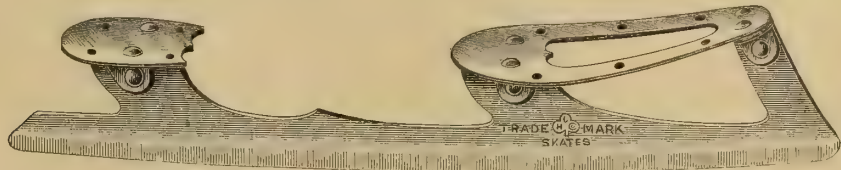
Plain Runner, Straight.



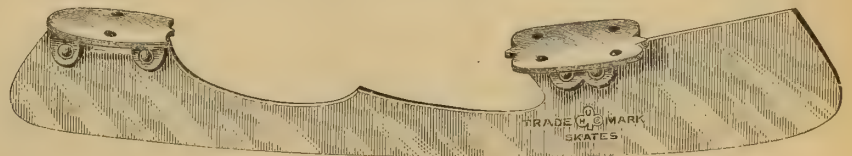
Plain Runner, Curved Blade.



Ribbed Runner.

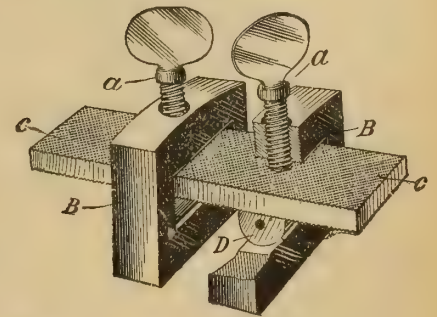


Ribbed Runner, Curved or Rocker Blade, for Ladies.



Victoria Club Skates.

UNION SKATE SHARPENER



UNION CLUB SKATES

**THESE
PATTERNS
MADE IN
ALL VARIETIES
OF FINISH AND
QUALITY**

**THE LARGEST
AND MOST COMPLETE
LINE ON THE MARKET**

Write for circular for full information for importing or we will tell you where they may be obtained in Canada.

UNION HARDWARE CO.

New York Office:

95 Chambers Street

TORRINGTON, CONN., U.S.A.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
 Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
 Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
 Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
 Shot.
 Canadian, common, 7½ per cent.
 Brass Shot Shells, 55 and 10 per cent.
 Primers, Dom., 30 per cent.
 Wads.

Best thick white felt wadding, in ½-lb bags, 1 00
 Best thick brown or grey felt wads, in ½ lb. bags, 0 70
 Best thick white card wads, in boxes of 500 each, 12 and smaller gauges 0 99
 Best thick white card wads, in boxes of 500 each, 10 gauge 0 35
 Best thick white card wads, in boxes of 500 each, 8 gauge, 0 55
 Thin card wads, in boxes of 1,000 each, 12 and smaller gauges, 0 70
 Thin card wads, in boxes of 1,000 each, 10 gauge, 0 25
 Thin card wads in boxes of 1,000 each 8 gauge, 0 25
 Chemically prepared black edge grey cloth wads, in boxes of 250 each—
 11 and smaller gauge 0 60
 9 and 10 gauges 0 90
 7 and 8 gauges 0 90
 5 and 6 gauges 1 10
 Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
 11 and smaller gauge 1 15
 9 and 10 gauges 1 40
 7 and 8 gauges 1 65
 5 and 6 gauges 1 90

Anvils.
 Per lb. 0 10 0 12½
 Anvil and Vice combined, each, 4 50
 Wilkinson & Co.'s Anvils, lb. 09 0 09½
 Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
 Gilmour's, discount 65 p.c. off revised list.
 Hollow Stearn's, per dozen 13 00 20 00
 Adjustable Stearn's, each, 4 50 6 50
 Post-hole, Vaughan's, each 60 90
 Excelsior, Jennings', discount 50 per cent.

Awls.
 Sewing, per gross 0 65 1 59
 Pegging, " 0 65 1 25
 Brad, " 0 85 1 60
 " handled, per gross 3 60 30
 Saddler's, per gross 0 45 1 60

Awl Hafts.
 Patent Peg, per gross, 7 25 8 00
 " Sewing, per gross, 7 25 8 00

Awl and Tool Sets.
 Millar's Falls, per doz. 2 80 3 30

AXES.
 Splitting Axes, 5 25 5 50
 Chopping Axes—
 Single List, per doz. 6 00 12 00
 Double List, " 11 00 18 00
 Bench Axes, 40 and 10 p.c.

Axle Grease.
 Per gross 6 00 13 00

Bath Tubs.
 Zinc, discount, 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list
 Boxing extra

Anti-Friction Metal.
 "Tandem" A, per lb. 0 19
 " B, " 0 16
 " C, " 0 10½
 " Monarch " 0 21
 " 2, " 0 15
 " 3, " 0 10
 " Canadian " 0 08½
 Magnolia Anti-Friction Metal, per lb. 0 25
 No Name Metal, " 0 15
 Mystic Metal, " 0 10
 F. O. B. New York or Chicago.

Bells.
 Hand.
 Brass, 60 per cent.
 Nickel, 55 per cent.

Door.
 Gongs Sargent's, 5 50 8 00
 " Peterboro', discount 50 per cent.

Cow.
 American make, discount 66½ per cent.
 Canadian, discount 45 and 50 per cent.

Farm.
 American, each 1 25 3 00
 House, " 0 35 0 40

Bellows.
 and, per doz. 3 35 4 75
 " boulders, per doz. 7 50 10 00
 Blacksmiths', discount 60 per cent.

Belt.
 Extra, 50 per cent.
 Standard, 50 and 10 to 50, 10 and 5 per cent.
 Agricultural, 60 and 10 p.c.

Bench Stops.
 Per doz 5 00 6 00

Bits.
 Auger.
 Gilmour's, discount 65 and 5 per cent.
 Excelsior, discount 60 per cent.

Rockford Common, 70 to 70 and 10 per cent.
 " Perfection, 50 and 10 per cent.
 Jennings' Gen., net list to 5 p.c. discount.

Car.
 Gilmour's, 47½ to 50 per cent.

Expansive.
 Clark's 40 per cent.
 Excelsior, 10 per cent.
 Gimlet.

Clark's, per doz 0 65 0 90
 Diamond, Shell, per doz. 1 00 1 50
 Nail and Spike per gross 2 25 5 20

Blind Rollers.
 Annex, per doz 1 25 1 75
 Mascott, " 1 35 1 85
 Erminie, " 1 00 0 00

Blind and Bed Staples.
 All sizes, per lb 7½ 0 12

Bolts.
 Carriage, dis. 60 and 10 to 70 p.c.
 Tire, dis., 70 and 5 per cent.
 Stove dis., 70 per cent.
 Elevator, dis., 35 to 40 per cent
 Machine, dis., 70 p.c.
 Coach Screws, dis. 70 and 10 p.c.
 Plough bolts, 60 p.c

Boring Machines.
 Complete, with augers, each, 5 00 7 50

Braces.
 Barber's, 6 00 7 75
 Barber's Ratchet 10 00 11 00
 Farmers' 2 00 2 75
 Millar's Falls 15 50 29 00

Brackets.
 Shelf.
 Japanned Canadian, per doz. 0 50 3 40
 pairs 0 85 3 20
 Berlin Bronze Canadian

Broilers.
 Light, dis. 65 to 67½ per cent.
 Reversible, dis., 65 to 67½ per cent.
 Vegetable, per doz., dis. 37½ per cent.
 Henis, No. 8, 6 00
 Henis, No. 9, 7 00
 Quebec City 7 50 0 00

Butchers' Cleavers.
 German, per doz. 6 00 11 00
 American, per doz. 12 00 20 00

Building Paper, Etc.
 "Domestic Brand" Saturated Felt, per 100-lb. \$1 40
 Dry, Good Luck, per roll 0 40
 Tarred, Good Luck, per roll 0 50
 "Shield Brand", Dry, per roll 0 27
 " Tarred, per roll 0 35
 Coal Tar, per barrel 3 75
 Pitch, per 100-lb. 0 60

Butts.
 Brass.
 Wrought Brass, dis., 17½ p.c. revised list.

Cast Iron.
 Loose Pin, dis. 70 per cent.
 Wrought Steel.
 Fast Joint, dis. 70, 10 and 5 to 75 p.c.
 Loose Pins, dis. 70, 10 and 5 to 75 p.c.
 Berlin Bronzed, dis. 70, 70 and 5 per cent.
 Gen. Bronzed, per pair 0 40 0 65

Can Openers.
 Acme, per gross 9 00 10 00
 Sardine Scissors, per doz. 3 75 4 50

Card.
 Horse, per doz. 0 60 1 00

Carpet Stretchers.
 American, per doz 1 00 1 50
 Bullards, per doz 6 50

Carpet Sweepers.
 Bissell, per doz 22 50
 World, " 21 75
 Daisy, " 24 00
 Star " 18 00
 Crown Jewel, per doz. 29 00
 Grand Rapids, " 24 00 33 00

Cartridges.
 (See Ammunition.)

Castors.
 Bed, new list, dis. 55 to 57½ per cent.
 Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
 Nos 31 and 32, per gross, 8 50 50

Cement.
 Canadian, Portland, 2 50
 English 2 85
 Belgium 2 75
 Canadian hydraulic 1 20

Figures are for barrel lots.

Chalk.
 Carpenters Colored, per gross 0 45 0 75
 White lump, per cwt. 0 60 0 65
 Red, " 0 05 0 06
 Crayon, per gross 0 14 0 18

Chisels.
 Socket, Fraying and Firmer.
 American, dis. 75 per cent.
 Canadian, dis. 40 and 5 per cent.
 Tanged firmer, per doz 0 85 4 00

Churns.
 Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.

Clamps.
 Judd's, dis. 20 per cent.
 Stearn's, per doz 3 00 10 00

Clips.
 Axle dis. 65 per cent.

Closets.
 Washout, plain 3 25
 " embossed 3 50

Coffee Mills.
 Box 3 60 13 00
 Side 3 60 4 00
 Enterprise, No. 0 1 35
 No. 2 70

Compasses, Dividers, Etc.
 American, dis. 62½ to 65 per cent

Cradles, Grain.
 Canadian, dis. 20 per cent.

Dies.
 Hart Mfg. Co. (pipe es), (Amer. list), dis 40 per cent.
 Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
 Torrey's Rod, per doz. (15 p.c.) 2 00
 Coil, per doz 0 88 1 60
 English per doz. 2 00 4 00

Draw Knives.
 American, dis. 70 and 10 per cent.
 Canadian, dis. 25, 50 and 10 per cent.

Drills.
 Hand and Breast
 Millar Falls, per doz. 16 00 51 50
 P. S. & W., dis. 40 per cent.

DRILL BIT.
 Morse, dis. 37½ to 40 per cent.
 Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
 Stovepipe.
 Per doz 85 1 70

FAWCETS.
 Cork Lined, per doz. 0 30 0 35
 Wine, per doz. 1 30 3 25
 Star, 2 80 3 90
 Fenn's Corkstops, No. 2, per dozen 1 70
 Petroleum, per doz. 4 50 6 50

FILES.
 Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
 Black Diamond, 50 and 10 to 60 per cent.
 Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
 Nicholson File Co., 50 and 10 to 60 per cent.
 Jowitt's, English list, 25 to 27½ per cent.
 American, 60 to 60 and 5 per cent.
 Great Western, 60 and 10 per cent.
 Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.

FLUTING MACHINES.
 Each 0 60 2 00

FORKS.
 Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS.
 Ice Cream.
 Gem from \$1.25 to \$7 net.
 White Mountain, 1 to 25 qt. 1 35 13 50
 Arctic, dis. 50 p.c.

FRUIT PRESSES.
 Henis', per doz. 3 25 3 50
 Shepard's Queen City, dis. 15 per cent.

FRY PANS.
 Acme, dis. 65 to 67½ per cent.

GAUGES.
 Marking, Mortise, Etc.
 Stanley's, dis. 50 to 55 per cent.

Wire Gauges.
 Winn's, Nos. 26 to 33, each, 1 65 2 40

GLASS.
 Window.
 Box Price.

Star.
 Size United Inches. Per 50 ft. Per 100 ft. Double Diamond.

Under 25 1 80 3 40 5 25
 26 to 40 1 95 3 70 5 75
 41 to 50 4 10 6 50
 51 to 60 4 40 7 75
 61 to 70 4 70 8 50
 71 to 80 5 10 9 50
 81 to 85 5 70 10 50
 86 to 90 6 70 12 75
 91 to 95 14 50
 96 to 100 16 50
 101 to 105 18 50
 106 to 110 22 50

GLUE POTS.
 Tinned, each 0 30
 Enamelled each. 0 55

GRINDSTONE FIXTURES
 Per doz. 3 60 4 00

HALTERS.
 Rope, ¾ per gross 8 25 8 50
 " ½ " 9 25 9 50
 " ¼ " 11 00 11 25
 Leather, 1 in., per doz. 3 87½
 " 1½ in., " 15 5 25
 Web, — per doz. 1 87 2 40

HAMMERS.
 Nail
 Maydole's, dis. 5 to 10 per cent. Can., dis 25 to 27½ per cent.

Tack.
 Magnetic per doz. 1 10 1 20

Sledge.
 Canadian, per lb 0 07½ 0 08½

Ball Pean.
 English and Can., per lb. 0 22 25

HANDLES.
 Axe, per doz., net, 1 50 2 60
 Store door, per doz 1 00 1 50
 Chest, per doz. pairs. 0 40 2 50

Chisel.
 Firmer, per gross 3 00 4 50
 Socket Firmer, per gross 3 25 8 00
 Socket Framing, per gross, 3 75 5 00

Fork.
 C. & B., dis. 45 per cent. rev. list.

Hoe.
 C. & B., dis. 45 per cent. rev. list.

Saw.
 American, per doz. 1 00 1 25

Plane.
 American, per gross. 3 15

Hammer and Hatchet.
 Canadian, 45 per cent.

Cross-Cut Saw.
 Canadian, per pair 0 13½ 0 20

HANGERS.
 Door, 4 and 5 inch, per pair. 0 40 0 50
 Lanes, 62½ per cent.

HATCHETS.
 Canadian, dis. 40 to 42½ per cent

HINGES.
 Blind, Parker's, dis. 60 and 10 to 65 per cent
 " Shepard's Noiseless, dis. 60 per cent.
 " Buffalo, dis. 60 to 70 p.c.
 Light T and strap, 70 and 10 p.c.
 Heavy, per lb 0 03½ 0 04½
 Screw hook and hinge—
 6 to 12 in., per 100 lbs. 3 15
 14 in. up, per 100 lbs. 2 35

Per doz. set
 Screw, Eureka, 1 13 1 80
 Gate, Clark's, 1 50 2 20
 " Shepard's, dis. 50 to 60 per cent.

Per gro. pair
 Spring, 9 50
 " Shepard's Samson, 1 20

HOES.
 Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
 Planter, per doz. 4 00

HOOKS.
 Cast Iron.
 Bird Cage, per doz. 0 50 1 10
 Clothes Line, per doz 0 27 0 63
 Harness, per doz 0 72 0 88
 Hat and Coat, per gross. 1 00 3 00
 Chandelier, per doz. 0 50 1 00

Wrought Iron.
 Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
 Hat and coat, dis. 60 to 60 and 10 p.c
 Belt, per 1,000, 0 60 0 70
 Screw, bright, dis. 65 and 10 per cent

HORSE NAILS
 "P.B.", dis. 50 p.c.
 "C" brand, 50 p.c. dis. } Oval head.
 "M" brand, 50 p.c. }
 Acadian, 50 and 20 p.c., countersunk head.

HORSE SHOES.
 Iron Shoes. F.O.B. Montreal F.O.B. Toronto*

Light, medium, and heavy.. 3 15 3 25
 Snow shoes 3 40 3 50
 Steel Shoes.

Light, all sizes 3 35 3 45
 Extra light, 4 50 4 60
 Toe weight (steel) 5 50 5 60

*Also Hamilton, London, Guelph, St. John Halifax.

ICE PICKS.
 Star, per doz. 3 00 3 25

KETTLES.
 Brass spun, 7½ p.c. dis. off new list.
 Copper, per lb. 0 30
 American, 60 and 10 to 65 and 5 p.c. 35

KEYS.
 Lock, Can., dis. 50 p.c.
 Cabinet, trunk, and padlock,
 Am. per gross. 1 60

KNOBS.
 Door, japanned and N.P., per doz. 0 90
 Bronze, Berlin, per doz. 2 75 3 25
 Bronze Genuine, 6 00 9 00
 Shutter, porcelain, F. & L. screw per gross. 1 30 4 00

KNIVES.
 Clauss, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.
 Christie, bread, cake, and paring knives, \$7.00 doz. sets, with 10 p.c. off.
 Hay knives, spear point, L or T handle, 60 10 and 5 per cent.
 Lightning, per doz. 6 50 8 40
 Heath's, \$7.75 net.

LADLES.
 Melting, per doz. 1 70 4 50

LEMON SQUEEZERS.
 Porcelain lined, per doz. 2 20 5 60
 Galvanized, " 1 87 3 85
 King, wood, " 2 75 2 90

King, glass, ".....	4 00	4 50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</
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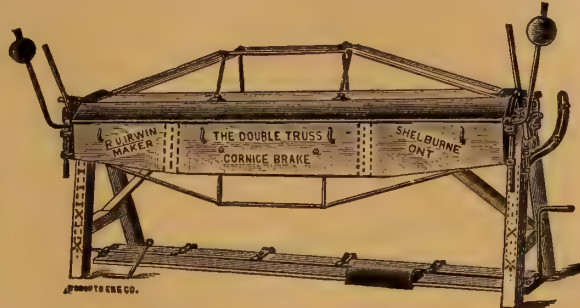
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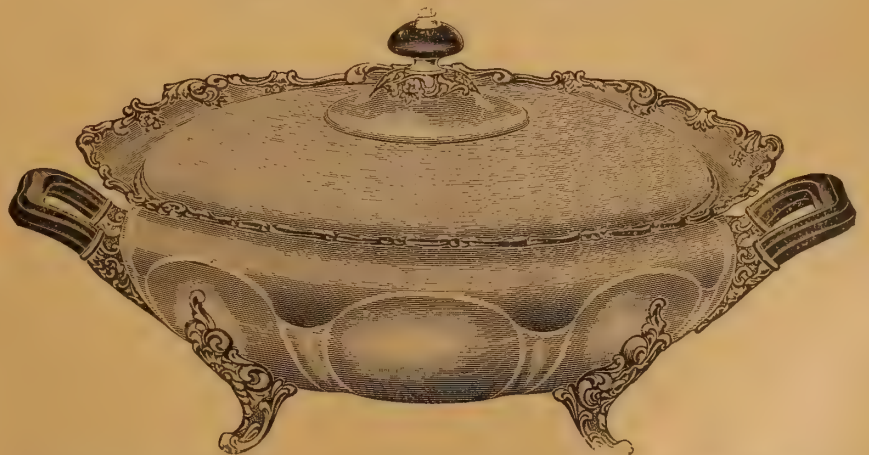
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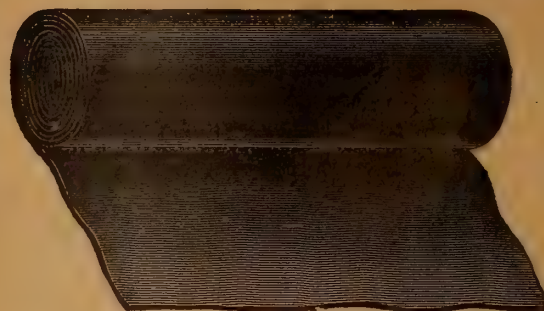
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VOL. X.

MONTREAL AND TORONTO, NOVEMBER 19, 1898.

NO. 47



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Best Anti-Friction Metal for
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GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

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The name and trade
mark appear on each box
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but the beauty of "Queen's Head" Iron
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Genuine Mottled Grey Color.

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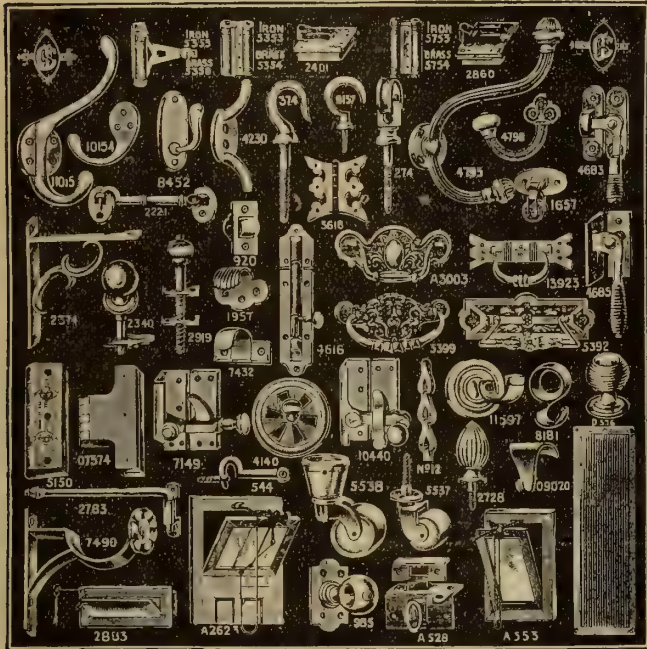
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Manufacturers of every description of

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Our Phoenix Red Sheet Packing

is not affected by oils, ammonia, liquors, steam, heat, or alkalis. It conforms to rough surfaces. It makes a perfectly tight joint. It retains its elasticity under any condition.

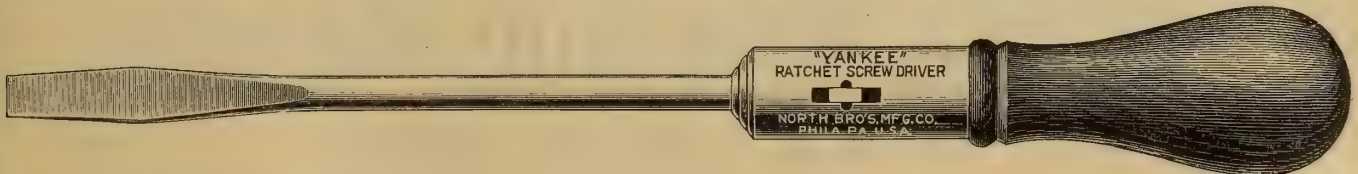


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Manufacturers of RUBBER GOODS of all descriptions.
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Important Decision relating to the

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TRADE-NAME ON SHEARS, TRIMMERS, Etc.



The U.S. Circuit Court, Southern District of New York, Judge Townsend, has rendered a decision in the suit of "R. Heinisch's Sons Co. vs. Hermann Boker & Co."

"The Complainant is entitled to an accounting, and to an injunction restraining them from using the names 'Heinisch' or 'H. O. Heinisch' on its Shears, Labels, etc., and otherwise, in any way which will interfere with Complainant's enjoyment of the benefits of its Trade-name."

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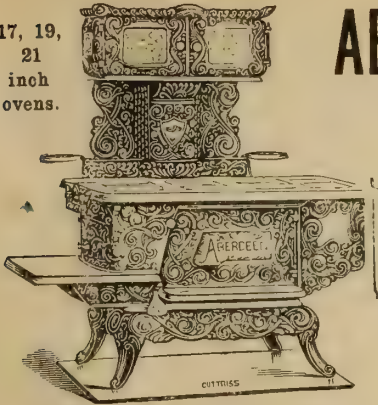
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The paper stands
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inch
ovens.



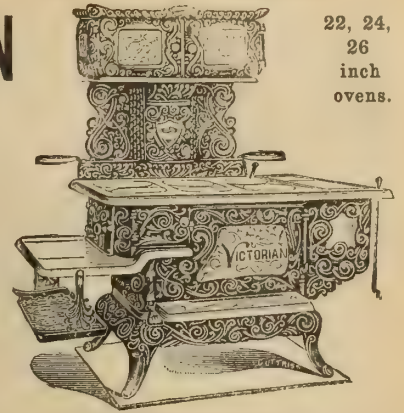
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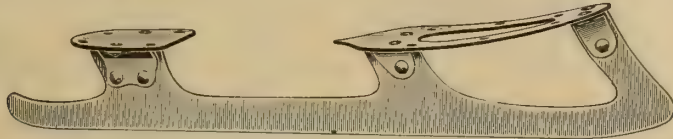
The COPP BROS. CO., Limited
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22, 24,
26
inch
ovens.



VICTORIAN, for Wood.

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THE BRACKETS will not break. We warrant every pair.

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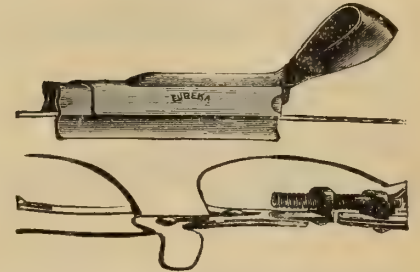
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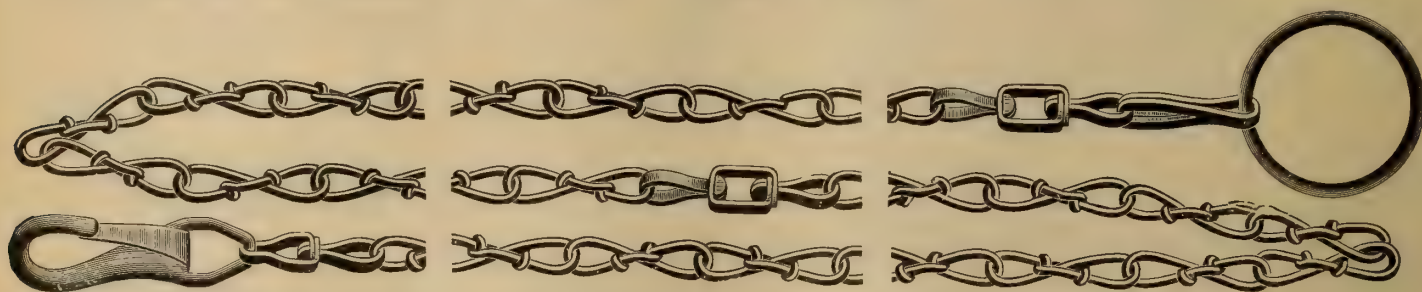
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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

FEATURES OF THE GLASS TRADE.

THE glass business this year, while being a matter of direct satisfaction to all dealers who secured good supplies early in the season, is also of interest to the business community generally, for through it can be seen unmistakable signs that there is a better feeling throughout Canada than in previous years.

Glass houses report that a striking feature of their business, this year, has been a strong demand, both in the large centres and throughout the country, for ornamental and leaded glass. This is used in houses of the finest architecture, and the fact that these residences are being erected in large

numbers, whereas, in the past season or two, comparatively few such were constructed, is evident that the times warrant more expenditure on home comforts than was the case a few years ago.

Frequently, too, we have made mention of the fact that factory sizes were in much greater demand than customary, giving evidence of unusual activity in the erection and refitting of buildings for industrial purposes.

The large movement in plate glass, too, is not without significance, for it shows that merchants are experiencing their share of the better feeling which unquestionably pervades the land.

A BOARD OF TRADE'S INNOVATION.

The Orillia Board of Trade has decided to procure sign-boards to be placed at prominent places on days of meeting, inviting those who are interested in schemes for the welfare of the town to attend.

This is a little thing, but it might be a good thing. The boards of trade in this country have practically become organizations whose members meet in secret and gravely discuss matters which are seldom of public interest. At any rate, that is what is to be gathered from the very little that these organizations do for the benefit of either the town or city in which they are located or for the country in general.

Boards of do-nothing rather than boards of trade, would be more suitable names for some of them, for the word "trade" is practically a synonym for action.

It is hoped the innovation of the Orillia Board of Trade will bear much fruit.

LOSS OF GLASS AND CEMENT.

AS a result of the abandonment of the ss. Westmeath both glass and Portland cement markets have stiffened very materially, the vessel having large shipments of both materials on board.

The rise in glass was specially referred to last week, and now the trade in Montreal are discussing the advisability of a still further rise.

The Westmeath had on board in the vicinity of 40,000 boxes of window glass, and considering the light stocks here, and the late date in the season, the forced withdrawal of this quantity of stock is going to seriously handicap dealers for future wants.

The Belgian cement on board consisted chiefly of high-grade material, and as the Westmeath's lot amounted to 20,000 barrels, a scarcity is confidently predicted now before next spring, for dealers here were calculating on this quantity for their supplies during the ensuing winter.

So far there has been no change in the price of cement, but prices are firmly held. Mail advices from Belgium also state that the market there is very strong, with a heavy demand, and that prices are likely to be higher for shipment next year.

GOODS FOR THE HOLIDAY TRADE.

Do not forget that the Christmas holidays are only a little over a month away. If hardware merchants are to secure as much of the trade in seasonable goods and in novelties as they should, it is time they were looking around for suitable lines and devising schemes to draw the attention of consumers to them.

COAL TRADE BETWEEN CANADA AND THE STATES.

TWO things have recently contributed to lend interest to the coal industry in Canada. The one is the proposition of The Dominion Coal Co., operating mines in Nova Scotia, to increase its production. The other is the possibility of a reciprocal arrangement between Canada and the United States regarding this article.

It appears that The Dominion Coal Co., the corporation composed largely of United States capitalists, which, a few years ago, obtained control of the principal coal mines in Nova Scotia, has arranged to double its output. Two million tons annually will be raised. A contract with the New England Gas Co. alone calls for 800,000 tons annually.

The production of coal in Nova Scotia has not varied a great deal during the past five years, as the following figures show : 1893, 2,444,924 tons ; 1894, 2,527,982 tons ; 1895, 2,225,145 tons ; 1896, 2,508,579 tons ; 1897, 2,465,387 tons.

The increase during the decade ending 1897 was over 32.6 per cent. The exports of coal from Nova Scotia have also steadily increased, they being 304,312 tons larger in 1897 than in 1890, a gain of over 380 per cent., the figures for the two respective years being 384,138 and 79,826 tons. As most of the coal exported from Nova Scotia goes to the United States, it is presumed that the increase is chiefly on that country's account. It is interesting to note that, while the increased production from 1890 to 1897 was 284,354 tons, the increase in the exports of the Province during the same period was 304,312 tons. Of the total production of the Province, 15 per cent. was exported in 1897, against a little over 3½ per cent. in 1890.

Valuable, however, as the United States market is to Nova Scotia, it is still more so to British Columbia. Last year, out of a total production of 988,796 tons, 671,313 tons, or nearly 68 per cent., were exported, by far the greater part of it going to the United States.

The total production of coal in Canada, in tons of 2,000 lb., during the past eight years, together with the total exports and the quantity that went to the United States, was as follows :

	Total Production.	Total Exports.	Exports to U.S.
1890	3,084,682	715,364	574,856
1891	3,577,749	833,684	692,705
1892	3,287,745	945,125	772,441
1893	3,783,499	908,232	764,865
1894	3,847,070	995,998	829,267
1895	3,478,344	1,110,567	954,704
1896	3,745,716	1,025,060	891,010
1897	3,876,201	1,102,067	962,225

It will be observed, from the above, that the total quantity exported was about 28.43 per cent. of the production, and that which went to the United States was 24.82 per cent. of the production.

At present, Canada takes about 69 per cent. more of bituminous coal from the United States than does the latter take of bituminous coal of Dominion production. The duty on bituminous coal is 67c. per ton in the United States, and in Canada 53c. per ton.

The question of reciprocity in coal is well worth considering.

SCRAP IRON TOO PLENTIFUL.

Receipts of scrap iron of various kinds, during the past week, have been so large that a reduction of 7c. per cwt. for agricultural scrap and 5 to 10c. for No. 1 wrought scrap has resulted. No. 2 wrought scrap will not be purchased at all by dealers in Toronto.

SHOULD BE AN INVESTIGATION.

The frequency of railway accidents in Canada lately, some of which were attended with such deplorably fatal results, is causing much comment, and should be investigated thoroughly.

The alleged carelessness of an employee may be the effect of a cause for which the employee may not be really responsible.

It is charged that, in the paring down process, with a view to earning dividends for shareholders, the labor of railway employees has been made excessively taxing upon both their physical and mental energies.

It may or may not be true. From what we can gather, there is more than a suspicion that it is true.

Corporations, and especially railway corporations, commonly squeeze their employees either by short pay or long hours, and frequently both, and, if this is being done by

the Canadian Pacific and Grand Trunk railways, the country has a right to know it, for it is not merely the welfare of the employees that demands attention, but the safety of the thousands of people who travel night and day upon the steel highways.

It is on such occasions as these that the want of a railway commission is most keenly felt.

THE RISE IN TIN.

LETTERS to hand lately from Great Britain discuss the rise in tin rather fully. One letter remarks that a curious point about the advance in price in Great Britain is that it has been brought about in the face of a small export trade, not only for October, but for the nine completed months of the year, while there are no indications of any increase in consumption in the near future.

The writer, therefore, attributes the appreciation in the market to pure manipulation, and, adds, that as the advance has had the effect of bringing old works into operation again, it appears fairly safe to predict a sharp decline in tin in the reasonably near future. Other letters take the opposite side, pointing to the fact that hematite pig iron, upon which the price of steel is necessarily based, has advanced from 50s. in March last to 56s. at present, and that foreign tin has appreciated in the same interval from £65 to £80 10s., so that tinplate makers are fairly entitled to raise their rates.

The same communication concludes that the rise is entirely due to causes outside the tinplate trade, namely, the lessening supply of the best iron ore in England, and the increased demand for tin, coupled with speculative activity in the same metal.

SKATES WENT DOWN.

It is quite possible that when retail dealers come to assort their stocks of skates that difficulty may be experienced in doing so.

On the Westmeath, that foundered the other day, was a consignment of skates for the Canadian market, and as there will now be scarcely time to repeat the shipment, a shortage in some sizes is threatened.

It would appear to be good policy for retailers to place their sorting-up orders as early as possible in view of these possible conditions.

THE SPADE AND SHOVEL COMBINATION.

IT is evident that matters in regard to the spade and shovel combine in Canada are tending towards a crisis.

As the trade is well aware the jobbers in this country are at the mercy of the combine.

In the first place, the combine colluded with the spade and shovel combination in the United States, whereby the latter agreed, for a financial consideration, not to sell the Canadian trade. And well have those manufacturers to the south keep their part of the compact, for a Canadian importer cannot even get a quotation. One jobber did manage to get a confrere in the United States to buy a quantity and send them on, but an attempt to repeat the experiment failed.

But, not being satisfied with the protection which the agreement with the manufacturers in the United States provided, the Canadian association bound the different jobbers down to an agreement whereby the latter were to be denied any rebate should they purchase spades and shovels outside the combination.

This rebate is only about 5 per cent., but, small as it is, it is about the only source of profit the jobber has, and the trouble is, that, if he refuses to accept the terms, not only does he get no rebate, but he is refused supplies as well.

The combination, therefore, has the Canadian shovel trade by the throat.

There are, however, signs of the grip being thrown off, for several jobbers throughout the country, in spite of the threatened loss of rebate, are beginning to import socket spades, sand shovels and draining tools from England. The trouble with the English lines, as a rule, is that the patterns are not suitable. Let the manufacturers across the water correct that evil, and they can come up and possess a large share of the Canadian trade in spades and shovels.

And not only are the jobbers beginning to buy English spades and shovels, but representations are being made to the Government with a view to getting it to put the provisions of the Tariff Act concerning combinations into operation. The case is

so plain that the Government can scarcely ignore the matter.

A FORTUNE IN GOOD MANNERS.

THE Duke of Marlborough "wrote English badly and spelled it worse," yet he swayed the destinies of empires. The charm of his manner was irresistible and influenced all Europe. His fascinating smile and winning speech disarmed the fiercest hatred and made friends of the bitterest enemies.

A gentleman took his daughter of sixteen to Richmond to witness the trial of his bitter personal enemy, Aaron Burr, whom he regarded as an arch-traitor. But she was so fascinated by Burr's charming manner that she sat with his friends. Her father took her from the court-room, and locked her up, but she was so overcome by the fine manner of the accused that she believed in his innocence, and prayed for his acquittal. "To this day," she said, fifty years afterward, "I feel the magic of his wonderful deportment."

"The art of pleasing," says Hazlitt, "consists in being pleased. To be amiable is to be satisfied with one's self and others."

A guest for two weeks at the house of Arthur M. Cavanaugh, M.P., who was without arms or legs, was very desirous of knowing how he fed himself; but the conversation and manner of the host were so charming that the visitor forgot to satisfy his curiosity.

"When Dickens entered a room," said one who knew him well, "it was like the sudden kindling of a big fire, by which everyone was warmed."

It is said that when Goethe entered a restaurant people would lay down their knives and forks to admire him.

Philip of Macedon, after hearing the report of Demosthene's famous oration, said: "Had I been there, he would have persuaded me to take up arms against myself."

The masses could not break away from the rythmical cadences of Wendell Phillips; they would listen spellbound for hours, even when they hated him and his cause. His inimitable manner, a kind of indefinable mesmerism, riveted their attention, and his brilliant, dazzling oratory was absolutely irresistible.

Henry Clay was so graceful and impressive in his manner that a Pennsylvania tavernkeeper tried to induce him to get out of the stage coach in which they were riding, and make a speech to himself and his wife.

"I don't think much of Choate's spread-eagle talk," said a simple-minded member of a jury that had given five successive

verdicts to the great advocate; "but I call him a very lucky lawyer, for there was not one of those five cases that came before us where he wasn't on the right side." His manner as well as his logic was irresistible.

When Edward Everett took a professor's chair at Harvard, after five years of study in Europe, he was almost worshiped by the students. His manner seemed touched by that exquisite grace seldom found except in women of rare culture. His great popularity lay in a magical atmosphere which everyone felt, but no one could describe, and never left him.

After Stephen A. Douglas had been abused in the Senate, he rose and said: "What no gentleman should say no gentleman need answer."—Pushing to the Front.

DROPS FROM THE EDITOR'S PEN.

A dead town is usually full of dead merchants.

Perseverance applied to brains forces prosperity.

Slow-selling goods are sand in the business lubricant.

Keep to the front in business if you would keep in evidence.

He who would be an efficient merchant should be an efficient clerk.

Trust not a customer regarding whose honesty you may have doubts.

A man is not necessarily short-sighted who cannot see beyond himself.

Financial embarrassment does not seem to embarrass some people at all.

He who cannot think should leave business matters alone and go into politics.

A word to the wise may be sufficient, but to the unwise many words are as nothing.

There is a fortune in good manners; and he who has not got them can get them.

There is no limit to the capacity of the credit customer who is never asked to pay up.

Good Quality wins against Bad Quality, just as a sound-limbed man wins against a wooden-legged man.

Because a man cannot reach the seventh heaven of business prosperity, there is no reason why he should throw himself from the third or fourth heaven. No ambitious man ever yet reached his final ideal.

MECHANICAL LEVERAGE.

By R. James Abernathy.

A FRIEND has in view the construction of an airship, which he proposes to drive with a propeller operated by man power. He has repeatedly asked me about the feasibility of obtaining increased power by a lever combination for revolving the wheel. He thinks by the proper use of levers that a man could apply the strength of at least four men directly to the wheel, and thus secure the needed power for propelling the airship.

I tell him he might just as reasonably expect to get one hundred horse-power of work out of a twenty-five horse-power steam engine, by the use of a combination of levers, as to obtain four men's work out of one man by the same means. But, like many others, he is only half convinced.

Leverage is a very fascinating theme, and has in all ages so charmed the average mechanic that he seems to be unable to relieve himself of its bewilderments. Archimedes is credited with having said that with a lever long enough and a place to rest his fulcrum, he could move the world, and the disciples of Archimedes are to-day as much in love with the lever as was their master in the long ago.

The lever is a convenience in enabling us to move weight or to raise weight, that we are unable by the direct application of our strength to move or raise, and that is as far as the usefulness of the lever extends as a mechanical device.

The block and tackle so familiar to all is a combination of levers. By its use a man may be able to raise a ton in weight, say ten feet high in one minute; but, if so, by the use of a single pulley and rope he could raise 50 pounds to a height of four hundred feet in one minute, so that it will be seen that a man performs the same work in the same time without the use of the lever that he does with the lever or combination of levers. Some might hastily assume that the single pulley is a lever, and so forsooth it is, but it is a lever with the fulcrum in the middle of it, and therefore loses its virtue as a lever.

In the earlier days of the writer, when a millwright's apprentice, there was a more general belief in the virtue of mechanical leverage than now, presumably because mechanics are generally better informed now than then. Overshot water-wheels were then in common use. They were acknowledged to be the superior of all wheels in the development of power as per quantity of water used, and it was the almost universal belief that their superiority was due to their leverage. Being generally larger in diameter than the others, they had more leverage, and hence gave more power,

and the higher or larger in diameter the overshot wheel was, the more power it gave because of its greater leverage.

I was imbued with the same idea, but was an early student, and being somewhat apt as a scholar, was soon convinced, although against my will at that time, that, as usually fitted-up, water-wheels were but simple levers with the fulcrum in the middle, and, therefore, possessed no leverage. The practice was to run a segment rim around the rim of the water wheel, into which was geared the countershaft pinion for driving the machinery of the mill. But, sometimes, a water-wheel was put on the water-wheel shaft, and the pinion geared into it. When that problem presented itself to me, I felt that with a master wheel, about half the diameter of the water-wheel, the water-wheel would exert actual leverage and press upon the teeth of the pinion with about twice the force that it would at the periphery, when a segment rim instead of a master wheel was being used.

To my mind, that was a great big argument in favor of leverage. In fact, insurmountable, and so I challenged the boss with it. He admitted the fact of the leverage and the double pressure, but added, "that with the use of the master wheel the countershaft has but half the speed that it would have if geared the other way, and by the time we bring the speed up by the use of another countershaft the leverage will be all gone and the pressure on the teeth of the second pinion would be just the same as though it were geared into a segment rim around the outer circumference of the water-wheel."

That statement made the whole subject as clear as a cloudless sky to me, and from that time until now I have never attempted to offer an argument in favor of gain by leverage, but have many times endeavored to show up its fallacy.

My friend with the flying machine would find himself in the same predicament. He knows that he would be obliged to have a high speed on his propeller wheel to make it effective, but thinks that with the use of a combination of levers he could apply great force and run it at high speed, but the reverse would be true. No matter what his leverage combination might be, the force that he could exert upon the propelling wheel would diminish in inverse ratio to the increase in speed at which it ran, and when the speed of the wheel was high enough to make it effective, the strength of a man at the lever would be reduced to the strength of a cat at the wheel.

Raising speed from the first mover, or the lever to which the power is applied, is just like operating a simple lever from the short

end. You find when attempting to raise a weight with a lever by applying the force to the short end, that the force required to raise a given weight increases with the increased difference in the length of the two ends of the lever, measuring from the fulcrum each way. The longer the long end and the shorter the short end the more power will it require to raise a given weight. Just so it is in increasing speed from first mover to final, where the work is done. You will then be working at the end of the short end of the lever, while the work is being done at the end of the long end of the lever.

But, perhaps, I can more clearly illustrate by the use of the ordinary grindstone, with which everyone is familiar. Take, for instance, a small grindstone, say eight inches in diameter, with a crank sixteen inches long, and put the typical small boy to turning it while you grind a plane, bit or other tool. He places one hand on the frame and with the other whirles the stone around with ease, no matter how hard you bear on with the bit. In that case the boy is operating the long end of the lever while the work is being performed at the short end, and so it is an easy job for him. But we will change the conditions by taking the eight-inch stone off the mandrel and putting in its place a stone thirty-two inches in diameter. Of course the larger stone will turn a little heavier than the small one, but the boy scarcely notices the difference as he grasps the crank with one hand as before and proceeds to revolve it. But, mark the change when the tool is applied to the stone. The boy immediately applies both hands and tugs with all his strength, and soon says, "Don't bear on so hard." Now, you know you are not bearing down any heavier than you did on the small stone, but the boy knows he is working about four times as hard. You see he is now operating the short end of the lever while the work is being done at the long end.

With the large stone you grind the bit in about one-fourth the time required on the small stone, and so the boy, though work-

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

ing so much harder while at it, gets back to his play so much quicker.

The lever is a convenience only. Leverage does not and cannot in any possible way add to the strength or power-producing capacity of man, boy, beast or any other kind of a motor. When working at or applying the force to the short end of the lever, you will have to work harder, but the work will be done quicker. When applying the force to the long end of the lever you work easier, but it takes longer to do the work. Nothing is gained to force but what is lost in waste of time. Nothing is gained to time but what is lost in waste of force. The one constantly balances the other.—American Miller.

SELLING STOVES.

NOW is the time for the enterprising merchant to increase his sales of stoves—both heaters and cooks; for, are not appetites whetted up by the invigorating and cool autumn winds, and must the inward man be ignored for the sake of a little material economy in continuing to use a cook stove or range which has seen its best days? remarks Stoves and Hardware Reporter. The master of the house would save himself many a curtain lecture and do much to lengthen the days of his good wife, if he would provide her with adequate means to prepare his meals without so much worry incident upon the use of makeshifts. It is the merchants' business to bring these things to customers' notice at every favorable opportunity. There are doubtless many people in the community who are needing stoves, but who do not buy them simply because they are not reminded forcibly enough just how much more comfort they would get out of them. Now, we do not believe it would be an exaggeration to state that there are innumerable instances, where people in the country who are in a prosperous condition, use soft coal heaters when they can afford the hard coal stoves. Half the time the merchant has not taken the trouble to enlighten them in regard to the superiority of the hard coal burner when the heating of several rooms adjoining one another must be taken into consideration. There is no necessity nowadays for halls and bedrooms to be as cold as Greenland and make cold shivers run down one's back to think of passing through or inhabiting them. Stoves are brought within the reach all, by their comparative cheapness. People are more fortunately situated this fall than they have been for some time past and some of their extra cash might as well go into the hardware dealer's till as into some one else's, who, in all probability, has nothing so indispensable or useful for sale, as stoves and housefurnishings or other hardware. One of the best ways to effect sales is to get

Lo Sherwin Williams must


**The Prejudice
Against
Prepared Paint**

Yes, prejudice is the right word; that is, an opinion before trial. When one investigates fairly he is simply forced to the conviction that a paint composed of the best possible ingredients, selected by those who have special knowledge of their nature and their use, and then thoroughly ground and mixed by special machinery, is better than any one man and one stick can supply. Such paints are

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They are not patent paints, nor chemical paints, but simply the best paints that unusual care, skill and experience can produce. "Paint Points" will make painting easier. It is sent free on request.

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PAINT AND COLOR MAKERS,
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21 St. Antoine Street, Montreal**



women interested in the goods; they will appeal to the weaker side of their lords and masters—that is to say, their personal comfort. Now, if such an authority as Doctor Johnson could say that a man thinks of nothing else with so much earnestness as he does of his dinner, surely it must be taken for granted that that dinner is a good one well cooked on a good range. No eulogies will ever be wasted on underdone roasts, soggy bread and fallen cakes.

HER MAJESTY'S THEATRE.

An impression formerly prevailed amongst oil and colormen in Canada that, while ordinary colors may be manufactured in this country, high-class decorating pigments must necessarily be imported. This erroneous idea has been almost nearly dissipated owing to the satisfactory class of goods turned out by a leading Canadian company. Some time since, **HARDWARE AND METAL** chronicled the fact that the paints and colors used in the Grand Opera House, Toronto, were supplied from the works of The Canada Paint Co., and now it is understood that the scenery and drop curtains of Her Majesty's Theatre, a magnificent structure just opened in the west end of Montreal, were painted by Noxon & Toomie, of St. Louis, Mo., the well-known scenic painters. The colors for this delicate and artistic work were supplied by The Can-

ada Paint Co., to whom Mr. Toomie, who had personal charge of the work, expressed himself as thoroughly satisfied with the material furnished by this firm.

A STITCH IN TIME SAVES NINE.

How many "files" and "rasps" are thrown away every week because they get partly clogged up and are looked upon as useless, by a good many workmen, for further service. Some send them away to be recut or sharpened, but they are never as good, after this process, as a new article. There is a fine steel wire brush made especially for this purpose, and has been very much in demand, although only recently placed on the market. It will clean out the metal and filings from files and make them cut as good as new, besides getting double service from the one tool. This is claimed to be one of the handiest articles in the brush line for plumbers, machinists, tinsmiths, metalspinners, founders and similar trades. Painters have also taken to them, as they do better work than coarse or other grades of sandpaper, and practically never wear out. Further information in regard to this brush will be given by Boeckh Bros. & Company, brush manufacturers, Toronto.

During October, 11,304 cars passed east and 10,679 west through the St. Clair tunnel at Sarnia, Ont.

FIGURES SHOWING RESULTS OF DOING BUSINESS.

By Observer.

THE following figures are compiled, from actual results of business extending over a period of 15 years, by a writer in Iron Age. They exhibit, in condensed form, the history of the business during that period. By way of explanation, it may be mentioned that the annual sales began at about \$50,000, and have increased to about \$140,000. It will be noticed, by reference to the figures, that the business has been eminently successful and that each year has been one of continued growth, expansion and profit.

Although there were poorer years than others, yet each year showed a material and substantial profit. It might also be noted that these 15 years do not represent the whole life of the business, which was established many years ago, but the figures of the last 15 years only are given.

The cause of this successful career is due entirely to the wise forethought and prudent management of its founder, who still controls it. There have been many changes in the trade of the town where this merchant lives since he began business. Firms which were large and influential when he started out do not now exist. The percentage of gross profits to sales does not show very much difference, only ranging from 17 per cent. to a trifle over 22 per cent., while the average is 20 per cent. The difference, no doubt, occurs mainly in the advance and fall of prices; although of late years the selling profit is being gradually reduced by keen and active competition. What are usually termed good times and hard times have seemingly but little affected an almost uninterrupted career of handsome profits.

The percentage of net profits to sales shows a slight falling off during the latter years. Several causes have produced this result. The lower margin of profit on many goods sold and the increasing expenses of doing business have been the chief factors. It will be noticed that while the expenses were about 7 per cent. of the sales 15 years ago, they were last year over 12 per cent., a gain of over 5 per cent. One reason why expenses have increased so materially is that the proprietor now merely superintends the work, while formerly he attended to many details himself, thus saving the employment of clerk help.

Again, the demands of the buying public are much more exacting than formerly. Goods must be more attractively put up, and more time and labor must be used in keeping the stock neat and in order and in displaying the goods in the most attractive

manner. People want their goods delivered more promptly, and this also means expense.

Now, no one can deny but that these are necessary expenses, and no up-to-date merchant can afford to lose sight of these and other exacting demands of the people who buy his wares. He must accept the situation and endeavor by increased sales to counterbalance the loss.

In the matter of bad debts, there is but slight difference; the average for the time only being 2 per cent. of the sales, which, we think, is a remarkably good showing. We think it is well nigh impossible to bring this item down much lower, as it is impossible to do business on credit without making losses, and the percentage is so small that we are of the opinion it pays to credit and charge the percentage of loss upon the cost of the goods when figuring the selling price.

The percentage of net profits to capital is a very satisfactory showing, the average being 16 per cent., which will favorably compare with any investment.

It simply shows that a mercantile business, if run economically and on correct principles, yields a handsome return for the money and brains put into it.

TABLE SHOWING RESULTS OF 15 YEARS' BUSINESS.

Years.	Percentage gross profits to sales.	Percentage net profits to sales.	Percentage net profits to capital.	Percentage losses to sales.	Percentage expenses to sales.	Percentage open accounts to sales.	Time stock turned during year.
1st .....	.178	.073	.22	.013	.069	.30	3
2nd .....	.212	.097	.27	.015	.081	.30	2½
3rd .....	.188	.082	.19	.026	.079	.27	2¾
4th .....	.217	.11	.20	.028	.088	.33	3
5th .....	.191	.109	.13	.03	.094	.36	2¾
6th .....	.215	.106	.20	.029	.082	.36	3
7th .....	.224	.126	.17	.026	.093	.46	3 2-5
8th .....	.198	.101	.17	.02	.091	.41	4
9th .....	.218	.089	.21	.011	.085	.44	4½
10th .....	.210	.077	.15	.017	.097	.43	4
11th .....	.20	.081	.08	.023	.128	.44	2 4-5
12th .....	.21	.065	.10	.014	.126	.40	4 1-5
13th .....	.206	.051	.14	.018	.118	.37	5
14th .....	.194	.06	.10	.018	.113	.37	4½
15th .....	.193	.05	.08	.014	.123	.32	3 7-10
Average for 15 yrs.	.20	.083	.16	.02	.097	.37	3 5-10

VALUE FOR A DOLLAR!

Honest Farmer: "Do you give trading stamps?"

Hardware Merchant: "No."

Honest Farmer: "Do you give a prize package with every keg of white lead?"

Hardware Merchant: "No."

Honest Farmer: "Do you throw in a handle or even a darning needle with each chopping axe sold?"

Hardware Merchant: "No."

Honest Farmer: "Well, what in thunder do you give anyway?"

Hardware Merchant: "We give good value for every dollar and no humbug."

Honest Farmer: "Gee whittaker! I never 'seed' it in that light 'afore'; I guess I'll do all my trading here!"



Patent Flattened Galvanized Steel Sheets

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized

and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe," "Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . .

22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

WHOLESALE
HARDWARE

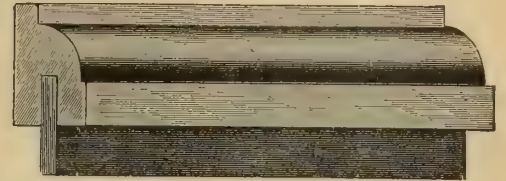
37-39 Front Street West TORONTO

Felt Weather Strip

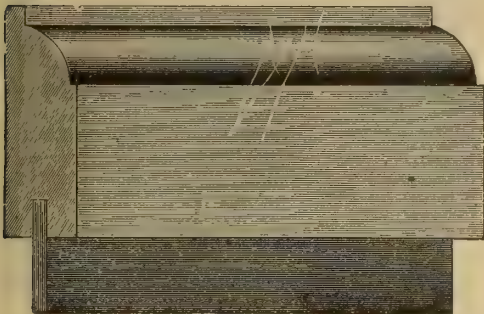


60. For sides and top of windows.

Excludes all



61. For sides of windows and doors.



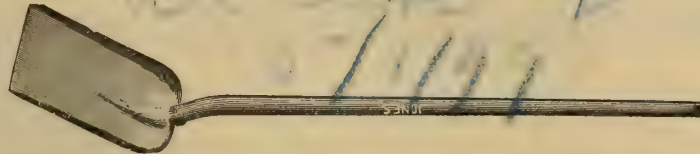
64. For bottom of doors.

**Cold,
Wind,
Dust
and
Rain.**



62. For centre of windows.

Snow



Steel—T and L Handles.

Shovels



Wood Snow Shovels—FAVORITE. All sizes, Painted Red.

OUR LETTER ORDERS
SHIP PROMPTLY.

Graham Cut and Wire Nails are the Best.

OUR PRICES ARE RIGHT.

H. S. Howland, Sons & Co., Toronto

THE KIND OF STOVE TO BUY.

IT is easy enough to say that the kind of stove to buy is the one which will bring in the largest profits and give the most general satisfaction, but it is not an easy matter to ascertain just the variety which will do this, says Stoves and Hardware Reporter. Experience usually teaches, in most cases, what lines will prove the most advantageous. Even the most careful merchants may, at times, be cajoled into buying imitations, which an unscrupulous salesman asserts is "just as good." However eloquent the latter's dissertation may be upon the subject, full reliance should not be put upon his word till the stoves are thoroughly investigated and tested. There are many qualities which are requisite in a good stove, and it is not always possible to find them combined in one. A poor stove will lose more patrons than the one who bought it, for a displeased purchaser advertises his displeasure unhesitatingly. If any experiment is made with a new line let it be done most carefully. It is not intended to intimate here that the merchant should insist on remaining oblivious to the merits of really superior goods because they happen to be new. This would be narrow-minded and detrimental to himself, for it is well known that the new features and improvements which are being continually introduced are frequently desirable. When their desirability is not overshadowed by their impracticability, as sometimes happens to be the case, then is the time for the merchant to go in and win. Utility is, of course, the first consideration, then convenience, good appearance and economy, in the selection of stoves. Make comparisons between different lines when buying goods or when selling them.

DRIFT OF THE METAL TRADES.

Reports concerning the drift of the market differ somewhat, but is quite clear that in many branches the drift is toward a lower range of values. Extremely busy as they are still, a number of large plants are growing anxious for winter work, and are making slight concessions. These, however, are very quickly withdrawn, as soon as there is a reasonable prospect of heavy tonnage. A case in point is furnished by the plate mills. An effort is being made to handle the whole of the 100,000 ton plate order for the Coolgardie pipe line by cooperation, the slabs to come from Pittsburgh. With this work in prospect, the plate mills have stiffened.

A committee of the rail makers is working out the details of the proposed arrangement, only the general features of which have been formally agreed to. Even the name of the

new selling company is not yet finally selected, although The American Rail Company has been suggested. For a term of probably five years this company will handle all the sales of standard and girder rails, both domestic and foreign. The important question, what the price of steel rails for 1899 is to be, has not been finally determined upon, but leading officials announce that \$20 is to be the figure. As compared with former prices demanded by the rail makers this is certainly moderate, but there is a gap between the rail and billet which looks large.—Iron Age, Nov. 10.

MEET THE COMPETITION.

IF THE toil-worn clerk in the omnivorous department store is energetically dusting off his stoves and brightening up his hardware in order to encroach more rapidly upon the regulation hardware dealers' patronage, then it is time for the latter to meditate some plan by which he can make his wares appear more brilliant and attractive to lagging customers, says Stoves and Hardware Reporter. Hunt up some new thing which will serve as a means of bringing people to a full realization that your hardware is equally as good, cheap and durable as that carried by competitors. Maybe a well worded advertisement or window card might rouse their consciences to the enormity of the wrong they are committing in catering to their own convenience in buying hardware at the dry goods stores, when by exerting themselves and walking a few more steps they could find a better and larger assortment to select from at your store. Get out of the rut of monotonous sameness whenever and wherever possible, and people will be more readily attracted to your store. Make it a point to show the goods to the very best advantage. Allow enough space to enable customers to see everything as they walk through the store. Their attention may, in this manner, be attracted to something which had not been seen heretofore, or which the clerk might not think of showing. Every little thing counts in arranging stock in a store, displaying goods and receiving customers. It is the aggregation of small things which makes the important ones. Little grains of powder and American nerve won the day at Manila and Santiago.

WRITING UP THE HARDWARE TRADE.

W. B. Robertson, representing The Ironmonger, London, Eng., is in Toronto this week. Mr. Robertson is writing up the hardware and metal trades of Canada for his paper. He has already visited the Maritime Provinces and Quebec, and the letters he has written are most interesting, and should materially assist the British manufacturer in grasping the requirements of the Canadian market.

FOR \$267.50 I will insert a fifty line advertisement twenty times in fourteen (14) of the best papers, in the 11 largest cities in Canada. A snap for Holiday and Winter Goods. All good mediums, representing a circulation of over 150,000 copies per issue. Write at once for details to THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.

Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring. "The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power

ARE THE BEST.

Highest Quality Grooming and Sheep-Shearing Machines.

WE MAKE THEM.

SEND FOR CATALOGUE TO American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.

Coates Clipper Mfg. Co. WORCESTER, MASS.

McLaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers
Montreal
Price Lists on application

AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods
Can ship promptly and supply the very best

We make a specialty of....

"Hand Shaved"

Octagon Axe Handles

Made by
Indians

being the largest dealers in Canada in this line
Can give exceptional value.
Have 5,000 dozen of these handles
on hand, ready for polishing.
Write for prices.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.



The Standard Rink Skate of Canada—Flat Ground or Curved to the same radius as our "Genuine Acme" skates, the latter preferred for figure skating.

The Starr Manufacturing Co., Limited

Sole Makers, DARTMOUTH, N. S., Canada.

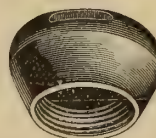
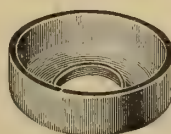
THOMAS L. PATON, Resident Agent, **Montreal**.



Stove Trimmings

In **BRASS**, **NICKEL**
and **BRONZE**.

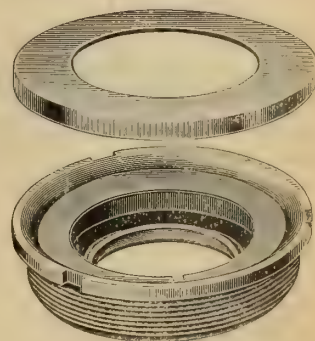
All orders promptly and carefully
executed.



Sheet Steel Bicycle Fittings

OF ALL
DESCRIPTIONS.

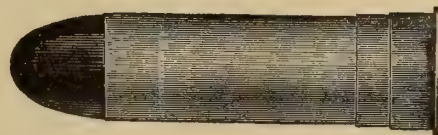
Estimates furnished from Blue Prints,
Drawings or Samples.



CATALOGUES FURNISHED ON APPLICATION.

The H. A. MATTHEWS MFG. CO., SEYMOUR, CONN.

SNIDER . . . AMMUNITION



We are prepared to supply the trade with any quantity of the above Ammunition, having bought a large supply from the Government.

We are prepared to give quotations on any quantity to the trade.

CORRESPONDENCE SOLICITED.

LAMPLOUGH & McNAUGHTON

MONTREAL

PLAYING WITH ACETYLENE.

THERE is an old saying, in reference to a man out hunting, that a fool and a gun is a ruinous combination, writes "Gasometer," in Metal Worker. The same sort of a combination is effected when a man, or, more correctly speaking, a fool, goes hunting a gas leak with a candle. There is always a possibility of the gun not being loaded, though the "didn't-know-it-was-loaded" man is to be avoided. With illuminating gas, there is never any case of empty gun. It is always loaded, whether made from coal and enriched, washed and scrubbed, or from gasoline of 75, 90 or 150 test, or from just sprinkling carbide, which gives acetylene.

It appears that acetylene is a high-power gas and, so to speak, quick on the trigger. Being new and all sorts of machines being made for generating the gas, people of an inquiring turn of mind are finding out about it, even though the chronic croaker has warned them against new fangled things and has his "I told you so" ready to spring promptly. The people have found out that a good light can be had with it and the sale of the apparatus is on the increase—another case of merit overcoming conservatism. Some mischief has been done by it when the investigations have been conducted with but one idea in view without due consideration of possible results. In one case the principal storekeeper in a large town had a lighting system put in his store and with all reasonable precaution. He ran an exhaust pipe from a safety valve outside of his building so that any surplus of pressure could have vent. Two boys wanted to know what the pipe was for and one climbed on the other's shoulders and got a whiff. He said gas. His companion remarked: "See if it will burn." A match was applied, with a slight damage to the generator. In another instance the owner of a generator and his son knew there was a leak, because acetylene has an odor of its own, and concluded they would locate it with a candle, and that it was found may be conceded, for a part of the machine was blown off and stove in a rib or two for the man and burned his son's fingers.

There may be some excuse for these two catastrophes, as they were conducted by laymen, but when a blunder is made by the plumber whose specialty is gasfitting, and who has taken the agency for a generator, and is pushing its sale in his neighborhood, there seems to be little room for excuse. A newspaper item describes how such a plumber and his workman started the plant going, and, to make sure that all was right, did not use their noses, but stuck a candle where leaks were likely instead, and both had some of the lectures of their

apprenticeship brought vividly to mind. This is the time of year when gas from various sources is largely used for illumination, and a word of caution about the use of a candle seems necessary.

There is no doubt but the candle will find the leak, but as it may bring disaster with it the sensible man should leave it out of all searches and tests he may make, particularly if there is a strong smell of gas. Acetylene seems to be what the people call a "good thing," and there are always all sorts of people who take advantage of a good thing to make something to sell cheaper than a first-class production can be sold. These manufacturers pay no attention to explaining what is to be avoided. Their whole energy is devoted to making sales. Acetylene has merits and its use will increase, consequently those who know its peculiarities must caution all who show any curiosity about it that it must be handled so that its powers are always under perfect control. This is simply to obey implicitly the rules given for the setting and operating of the machines.

HINT TO BICYCLE DEALERS.

There is one way to keep your customers in good humor and that is to be in a position to supply their wants instant. How often has the bicycle rider broken some small part of his machine, and there is not a machine in the market which is not liable to accident, and gone to his dealer to have the part replaced and found that it was necessary to send all the way to the factory for a new part? The order is sent and the rider waits several days before he gets what he wants. In nine cases out of ten the part wanted is an important one and the rider loses the use of his machine while waiting to hear from the factory. All of this trouble can be avoided if the dealer will see to it that he has a liberal supply of parts in his repair department. If you see that your stock is falling below the level, order a fresh supply, for a quick repair does more good than anything else.—Iron and Steel.

DEMAND FOR SNIDERS ACTIVE.

The deal in the Snider rifles lately abandoned by the Federal Government, has certainly been one of the most extensive and prompt turnovers in the history of Canada. In less than three weeks, Lamplough & McNaughton have not only turned over their first large receipts, but are now oversold some 3,000 stand or so, and they are receiving inquiries for the rifles every day, which they are compelled to refuse. In one day, also, as many as 1,000,000 rounds of cartridges were handled. It is understood that despite the close prices at which the firearms have been sold, firms who have been handling them have realized some handsome profits.

A. McArthur is starting up as blacksmith in Dunrea, Man.

H. W. Doarman is opening out as coal dealer in Brandon, Man.

THE CANADA PAINT COMPANY LIMITED

**HAND TO
OUR
TRAVELLING
STAFF,
WRITE
'PHONE
WIRE
OR
TAKE A
DAY OFF
AND BRING
YOUR ORDERS
TO**

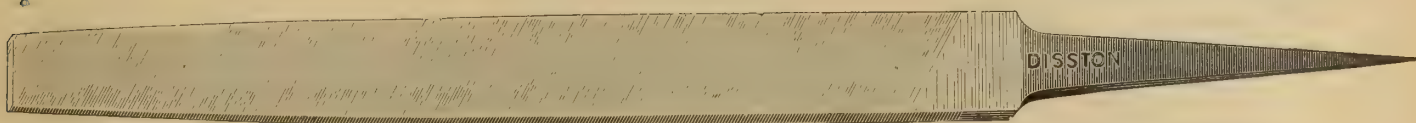
THE CANADA PAINT COMPANY LIMITED

**WE SHIP
VARNISHES
JAPANS
AND
COLOURS
PROMPTLY
FROM
MONTREAL
TORONTO AND
VICTORIA**

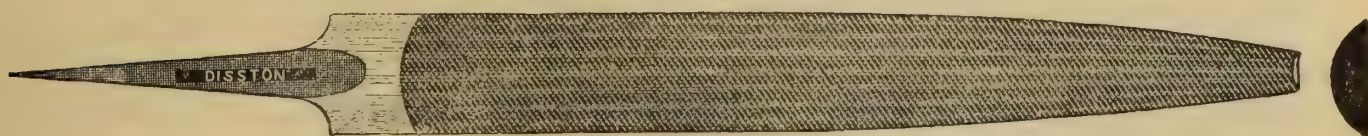
THE CANADA PAINT COMPANY LIMITED

MANUFACTURERS

KEEP THIS ON FYLE



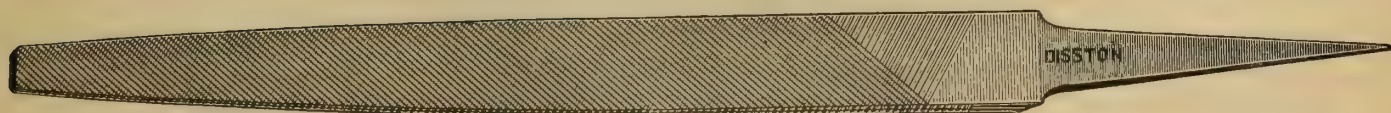
DISSTONS' FILES



ARE THE BEST



IN THE WORLD



WRITE FOR QUOTATIONS TO



LEWIS BROS. & CO.



30 St. Sulpice St., MONTREAL

THE NEW SECRETARY OF THE TRAVELERS' MUTUAL.

I FEEL undone. I undertook, a few days ago to interview Mr. Blaney H. Scott, the recently appointed secretary of the Commercial Travelers' Mutual Benefit Society, and, for the first time in my newspaper experience, I came away humiliated with the thought that it was Mr. Scott who had interviewed me and not me Mr. Scott, or, perhaps more correctly speaking, that we had been interviewing each other and that he had been doing most of the interviewing.

I ascended to his office at 51 Yonge street, Toronto, introduced myself and made known the object of my visit.

"Sit down," said Mr. Scott, politely.

I sat down and prepared to bombard, but I had reckoned without my host, for, before I had applied a question, he reached forward to a table, picked up a small card, and handed it to me with the remark:

"Do you carry any life insurance?"

"A little."

"How much?"

I told him. Then he threw one leg over the other, turned toward me, and, with the ardor of an evangelist seeking conversions, dilated upon the advantages of insuring in the Commercial Travelers' Mutual Benefit. He punctuated his arguments with vigorous fist exercise upon the palm of his left hand, and grew eloquent. I began to forget the object of my visit, and when I did think about it, I could not get a word in edgewise. And, as he reasoned of insurance and of man's duty to his family, I thought "almost thou makest me a convert—or victim," while I eventually managed to remark: "I'll think about it."

Mr. Scott is an Irishman, and a North of Ireland man at that, which accounts for his "gift o' the gab," no doubt. He is middle-aged, and one of his earlier ventures in life was as a clerk in Burns' well-known grocery store, Queen and James streets, Toronto, where he served for five years. Then an uncle came along who had a desire for travel, and who had money to gratify that desire, and he and young Scott took a leisurely tour of the United States, covering some 28,000 miles. On his return to Toronto, Mr. Scott started up in the grocery business on his own account. After about two years in business, he sold out, and traveled for T. Kinnear & Co., Toronto.

Six years ago Mr. Scott took the step which launched him into a life insurance

career. As a member of the Independent Order of Foresters, the officers of the supreme council, recognizing his fitness for insurance and organization, sent him to Ireland to start the society there. Their confidence was not misplaced, for, during the year and ten months he was in that country, he organized 25 courts, and a high court as well. One of the charter members of the first court he opened was Rev. W. J. McCaughan, afterwards the pastor of St. Andrew's church, Toronto, and now pastor of a church in Chicago. A handsomely illuminated address and a well-filled purse of sovereigns were presented to Mr. Scott on leaving Ireland for Canada.

Shortly after returning to Toronto, Mr. Scott started an insurance brokerage, which he carried on until his recent appointment as secretary of the Commercial Travelers' Mutual Benefit Society.



Mr. Blaney H. Scott.

Mr. Scott has had what few insurance men have had, namely, practical experience in all three systems of insurance—fraternal, endowment and assessment.

What struck me most forcibly, in my conversation with Mr. Scott, was his enthusiasm for his work. And it struck me so forcibly that I have been moralizing ever since. I only wish that those who have but little enthusiasm, or no enthusiasm at all, would have a talk with him; I am sure it would build them up in this most necessary quality, without which no one can make life a success.

OMAR.

An English company is erecting a building 200 x 60 ft. at West River, N.B., for the manufacture of glove boxes and hardwood boxes of all kinds.

OFF TO CLEVELAND.

The Canadian representatives of The Sherwin-Williams Co. left Montreal last Sunday evening to attend the annual convention of that company at their principal works, Cleveland, Ohio.

Mr. W. H. Cottingham, the managing-director of the Canadian department, left, via New York, the previous Friday and will be in Cleveland to welcome the Canadian representatives on their arrival there.

There will be about 75 salesmen and managers, from every quarter of the continent, at this convention. It is an event that is looked forward to with the keenest interest and pleasure by The Sherwin-Williams men every year. While the promotion of the business is the chief purpose of the convention, the company always provides liberally for entertainment and enjoyment. And in this way good fellowship is fostered,

and the strong bond of sentiment that exists among the men of The Sherwin-Williams Co., which is noticeable among all those they come in contact with, is strengthened.

There will be a good many new faces in attendance this year, as the staff of salesmen has been generally increased.

NEW INVENTIONS.

Below will be found a list of new patents recently granted by the Canadian Government, the patents being secured through Marion & Marion, solicitors of patents, New York Life Building, Montreal, and reported by them for the benefit of our readers: Nos. 61527, Hector McLean, Kichie, Man., road track makers and cleaners; 61535, Jules Challier, Paris, France, Grain elevator; 61553, R. G. Witt and A. Schaff, Maisonneuve, Que., fly trap; 61605, John Matherson, Sidney, Australia, broom and brush; 61624, Jean E. Cayouette, Ste. Claire, Que., curd cutter; 61668, Richard C. Goff, Charlottetown, P.E.I., ice creeper; 61670, Samuel Clarke, Perth, Ont., folding seats for counters.

BEYOND ALL HOPE.

"Just sit down in that chair," said the oculist to the patient, whose reputation for financial procrastination and repudiation was well-known to him. "I will test your eyes." Then he held a printed schedule of his prices with a "No trust" line at the bottom in front of his eyes, and asked: "Can you read that?"

"I am afraid," replied the patient, reaching for his hat, "that my case is beyond the reach of human skill."—Chicago Post.

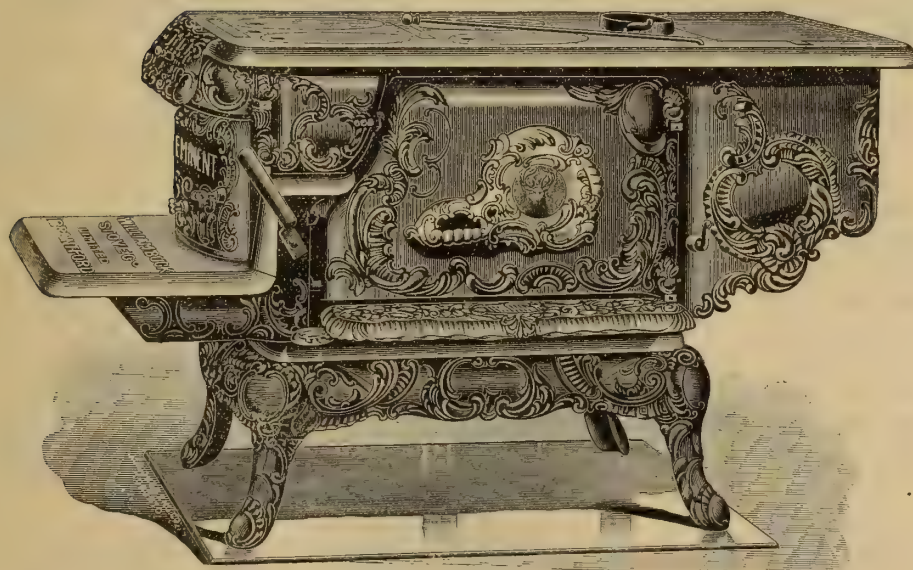
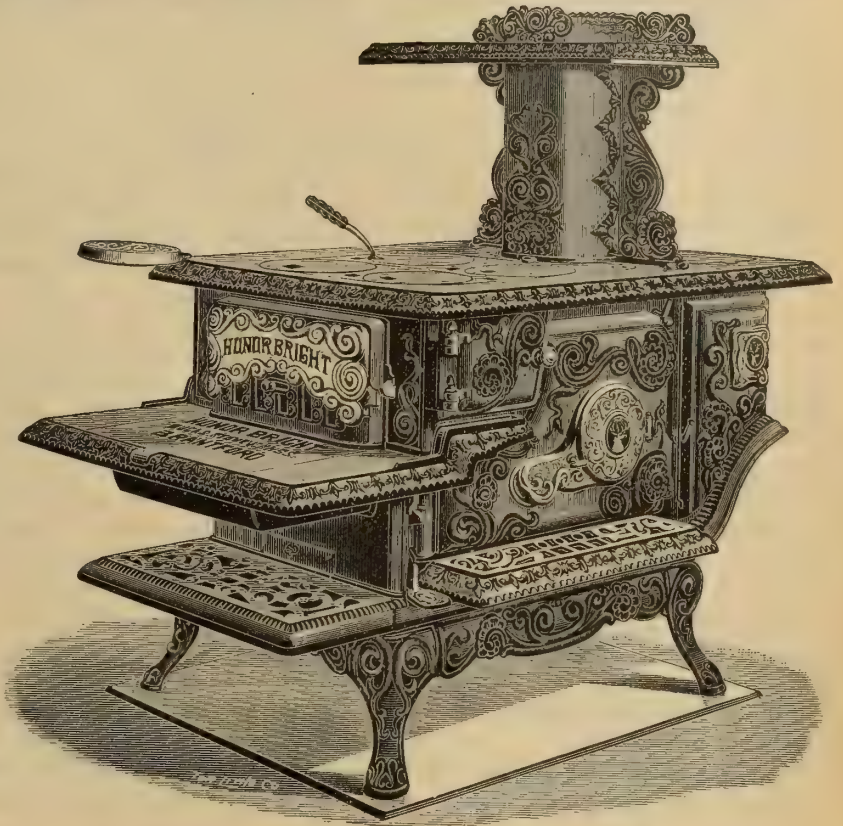
The Finest Cooking Stoves in the World.

"Honor Bright"

FOR WOOD.

Sizes: 9/21--9/23--9/25--9/27

SQUARE
AND EXTENDED.



"Eminent"

FOR COAL OR WOOD.

Sizes: 8/21--9/21--9/23

SQUARE
AND EXTENDED.

We Guarantee Shipment of above Stoves same day Order is received.

The William Buck Stove Co.

WIRE AT OUR EXPENSE.

LIMITED
(30)

BRANTFORD, Canada

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Nov. 18, 1898.

HARDWARE.

THE past has been an active week in general hardware, all lines of shelf and smallware, as well as several leading lines of heavy iron, exhibiting continued activity. Wire nails are quite brisk, the mills having all they can do to fill orders; and cut nails also, are moving well. Demand for horse nails and horse-shoes is also of the lively order, while screws, bolts, and rivets display the same tendency. Shelf goods, builders' hardware, and carpenters' tools enter also into almost every order received.

BARB WIRE—There is no change in values, and demand is of a very quiet character at \$2 f.o.b. Montreal.

PLAIN WIRE—Business has been very quiet this week in all kinds of wire, and values are unchanged.

WIRE NAILS—There is an active inquiry for 25 and 50-keg lots of wire nails, and the mills also are moving carload lots

quite freely. Prices are rather steadier in tone at \$1.70 to \$1.75.

CUT NAILS—Demand for these has also ruled active, while the tone is very firm, though quotations remain \$1.75 f.o.b. Montreal, etc., with the usual 5c. rebate.

HORSE NAILS—There is a good trade doing in these at unchanged prices. Discounts are: 50 per cent. on Standard, and 50 and 20 on Acadia.

HORSESHOES—Demand for these is brisk, and makers are very busy getting forward goods. We quote as follows: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35; toe weight, \$5.50.

SCREWS—An active business is doing. Discounts are as follows: Flat head bright 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—There is a brisk inquiry for stove bolts, and a fair movement in other descrip-

tions. Discounts are: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5; tire bolts, 70 and 5, and sleighshoe bolts, 80 per cent.

RIVETS—A good inquiry, and steady. Discounts are: Iron, black and tinned, all sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Business quiet and values unaltered. We quote: Sisal, 7-16 and up, 10c.; ¾, 10¼c.; 5-16 and ¼, 11c., and 3-16, 11¼c. Manilla was unchanged: 7-16, 11½c.; ¾, 12¼c.; 5-16 and ¼, 13c., and 3-16, 13¼c.

CLOTHES WRINGERS—There is a fair trade doing, while values are steady at \$29 to \$30, as to brand.

CHURNS—Demand for these is fair, chiefly for medium sizes, quite a few of which have gone to this Province and down below.

BUILDING PAPER—The movement in this line is quite active. We quote as follows: Tarred fibre, 45c.; dried

Seasonable Goods.



Decorated { Enamelled Wares.
Canadian Make.

A large assortment of
**TEA and COFFEE POTS,
Sugar Bowls, Butter Dishes,
CUPS, PLATES and SAUCERS,
TOILET SETS, Etc.**

Order early for your
Christmas Trade.

Perfection Kettles.

NICKEL PLATED.

For Base Burners
Flat Bottom.

FOUR SIZES.

Nos. 4, 5, 6, 7.

Body made of one piece
with neat bent spout.
Handle made with rod in
one piece—cannot fall
apart.

Let us send you a
Sample of each size.



TURKEY TIME.

Famous { SELF BASTING

...Roasting Pan

THREE SIZES.

	Length	Width	Depth	List Price
No. 20	14	10	7	\$0.80
No. 30	16	11½	8	1.00
No. 40	18½	12½	9	1.20

Self Basting.

The condensed steam drips
from the Indented Cover, con-
tinually basting the contents of
pan.

Wire shoes on bottom of pan
prevent burning on the bottom.
No inside tray to collect dirt.

Easily Cleaned.
Properly Ventilated.



The McClary Manufacturing Company

LONDON

TORONTO

MONTREAL

WINNIPEG

VANCOUVER

The genuine is stenciled "Apollo-Vandergrift"

**APOLLO BEST BLOOM
GALVANIZED IRON.**

Another difference is: with Apollo galvanized iron, you save a good deal of labor and wages; it works so easily.

Apollo Iron and Steel Company
Vandergrift Building
Pittsburgh

Works: Apollo and Vandergrift, Pa.

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.
FACTORIES

...MONTREAL

CUT NAILS

Clinch and Pressed Nails, Horse Shoes (Steel and Iron), Railway and Pressed Spikes, Mine and Wharf Spikes, Drift Bolts, Washers (Steel and Iron).

CANADA IRON FURNACE CO.,
Manufacturers of Limited

CHARCOAL PIG IRON
MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT
Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

ditto, 35c.; tarred sheathing, 30c.; dried, ditto, 25c.; tarred roofing, \$1.20.

BELTING—A fair trade in belting is doing, and values are steady.

HINGES—As last quoted: 6 to 12 inch, \$3.50 per 100 lb.; 14 inch, \$2.50; screen door, \$6.50 per gross, and T and strap, 70 and 10 per cent. off the list.

TOOLS—Inquiry for carpenters' tools, notably spirit-levels and saws, has been quite noticeable during the week.

SPORTING GOODS—As last reported.

CUTLERY—Sorting orders for these have not been so frequent lately.

CEMENT—Values are unchanged and business quiet, but the loss of the ss. Westmeath reduces the supply for the winter here very materially. We quote: Belgian, \$1.85 to \$2.05; German, \$2.35 to \$2.50, and English, \$2.25 to \$2.35, with domestic \$1.95 to \$2.

FIREBRICKS—Fairly active and steady at \$16 to \$21 per 1,000, as to brand.

METALS.

Metals and heavy hardware generally continue active and firm and any near change in values, from present appearances, will be in an upward direction.

PIG IRON—A few lots of Hamilton pig iron have been put through, and advices in regard to Scotch state that demand is brisk in Great Britain and values firm. We quote as follows: No. 1 Hamilton, \$15.25; to \$15.50; No. 2, \$14.75; Ferrona \$14.75 to \$15; Siemens, \$14.75 to \$15, and Summerlee and equal brands, \$18, ex wharf, and \$18.50 to \$19 ex yard.

BAR IRON—There is a good demand and car lots moving quite freely from the works. We quote \$1.40 to \$1.45.

BAR STEEL—Business in bar steel is fairly active also, especially for sleigh shoe steel, and values are steady.

HOOPS AND BANDS—Quiet and unchanged at \$1.75 to \$2:

SHEET STEEL—As last reported. We quote: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON—Demand for black sheets is quite moderate. We quote: \$2.10 on 10 to 16 gauge; \$1.80 on 18 to 20 gauge; \$2 on 22 to 24 gauge; \$2.10 on 26 gauge, and \$2.15 on 28 gauge.

GALVANIZED IRON—Less active than it was a week ago. We quote: "Queen's Head," No. 28, \$4 to \$4.15; and "Comet," No. 28, \$3.75.

INGOT COPPER—Firm, at the recent rise, with demand fairly active at 13 to 13 1/4c.

SHEET COPPER—The strength in this article, at primary markets, is fully maintained. Values here are firm. We quote: 16-oz. at 16c., and 14-oz. at 17c.;

CAST STEEL

"Sanderson's" make, the oldest and most reliable in the market. A large assortment in stock, and import orders promptly filled.

COIL CHAIN

Garland Chain Co.'s make. Special attention to Crane Chain, Dredge Chain, and other high-grades.

ANVILS and VISES

Henry Wright & Co.'s well-known make. Full assortment in stock, at lowest prices.

A. C. LESLIE & CO.

AGENTS
MONTREAL

"GREENING'S

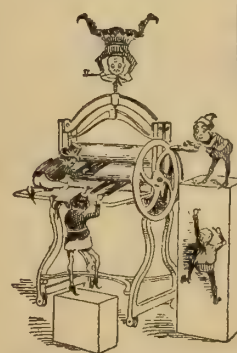
Cow Ties."

These Cow Ties have stood the test for years. Undoubtedly the best and strongest on the market.

It will pay to handle only the best. A complete line of all sizes ready for shipment. For sale by all jobbers.

The B. Greening Wire Co.
LIMITED

MONTREAL AND HAMILTON.



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited
Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.
Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

tinned copper, 16-oz., 18c.; 14-oz., 18½c.; planished 14-oz., 24c.

INGOT TIN—There has been no further change in the price of this metal, but the firm tone is fully maintained: Lamb and Flag 20c., and Straits 19½.

PIG LEAD—Quiet, but steady at \$3.70 to \$3.80.

IRON PIPE—In good inquiry with values firm. We quote: Black pipe, ¼-inch, ¾-inch, and 1-inch, \$2.35; ¾-inch, \$2.80; 1-inch, \$3.85; 1¼-inch, \$5; 1½-inch, \$6.70, and 2-inch, \$9. Galvanized, ½-inch, \$3.95; ¾-inch, \$4.80; 1-inch, \$6.65; 1¼-inch, \$9.15; 1½-inch, \$11.75, and 2-inch, \$16.

LEAD PIPE—Steady, and in good demand. We quote: Ordinary, 7c., and composition waste pipe, 7½c. Discount, 25 per cent.

CANADA PLATE—Business in Canada plate has been quiet, though quite a lot of stock is moving forward on old contracts. We quote: 52's, \$2.15; 60's \$2.30; 75's, \$2.35; full polished, \$3; galvanized Canada plate, 52's, \$3.75.

TINPLATE—Demand quiet, with prices steady. We quote as follows: Coke, I.C., \$2.90 to \$3.25; charcoal, I.C., Allaway or Comet brands, \$3.25; do, I.X., \$4.10 to \$4.25; Lincoln, \$3.50; P.D. Crown, I.C., \$3.95; do, I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Quiet and steady at \$6 to \$6.25.

COIL CHAIN—Dull as last quoted. We quote as follows: ¼-inch, \$4.75; 5-16, \$3.50; ¾, \$3.15; 7-16, \$3; ½-inch, \$2.80, and ¾ up, \$2.80.

SHEET ZINC—The firm tone is maintained outside and values here are stiff at 6½ to 6¾c.

SOLDER—Upward in its tendency at 12¼c.

ANTIMONY—Firm, but quiet at 9¼ to 9½c.

SPELTER—The advance noted last week is retained, the line being quite firm, Vielle Montague being held at \$6 to \$6.25 and American at \$5.50 to \$5.85.

PAINTS AND OILS.

The activity usually experienced just before the close of the season has prevailed among the manufacturers during the past week, but the advent of winter freight rates, on Tuesday last, combined with the prospective withdrawal of steamers, will shut off the demand within the next few days. Since our last issue, prices have maintained their firmness, but no alteration has been noted. There have been heavy arrivals of linseed oil, but no weakening has resulted. At Savannah, the week's business in turpentine showed no deviation in price.

WHITE LEAD—Best brands, Government standard, \$5.62½; No. 1, \$5.25; No. 2, \$4.87½; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4½c.; kegs, 4¾c.; No. 1, casks, 4¼c.; kegs, 4½c.

WHITE ZINC PAINT—Pure, 7c.; No. 1, 6¼c.; No. 2, 5½c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 50c.; boiled, 53c., five to nine-barrels, 1c. less, ten to nineteen, 2c. less, and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 55c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8¼ to 8½c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4½ to 5½c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

GLASS.

The window glass market is firm and unchanged at the advance specially noted by us last week. Quotations now are: First break, \$1.80; second, \$1.90 per 50 feet; first break per 100 feet, \$3.50; second, \$3.75; third, \$4; fourth, \$4.25; fifth, \$4.75; sixth, \$5.25, and seventh, \$5.75.

PETROLEUM.

In good inquiry and steady. We quote as follows: "Crown Acme," the new Sarnia oil, is selling at 16c. in small quantities; Canadian refined, 14c.; American prime white, 17c.; water white, 18c.; Pratt's astral, 19½c.

HIDES.

Quiet and steady. We quote: Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3, 7c. Lambskins, 65 to 70c.

MONTREAL NOTES.

The ss. Westmeath, recently abandoned at sea, had on board 19,500 barrels of Belgian cement.

Over 20,000 boxes of window glass, on which jobbers in Canada were calculating, were on board the same ship.

The Snider rifles, lately sold by the Government, have had an exceptionally quick sale. Caverhill, Learmont & Co., of Montreal, who purchased a large quantity, had to refuse orders for nearly 1,000 this week, as they are sold out. They have a large supply of ammunition on hand, but expect it to be cleared out soon.

Lamplough & McNaughton have closed out their entire stock of Snider rifles and are, therefore, unable to fill any further orders, the promptness with which the rifles moved being a decided surprise, thirty thousand of the arm being disposed of in the last seven weeks. The firm have still on hand a large stock of Snider ammunition, having purchased the entire quantity which the Government had for sale.

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

**JOHN FORMAN, 650 Craig Street
MONTREAL**

Portland Cements

Best German, English and Belgian Brands

**Calcined Plaster.
Fire Bricks and Clay.
Drain Pipes.
Builders' and Contractors' Supplies.**

Largest Stocks. Lowest Prices.
Send for Quotations.

**W. McNALLY & CO.
MONTREAL.**

**ONTARIO LEAD AND
WIRE CO., Limited**

**TORONTO
PRICE LIST.**

Clothes Line Wire.

17	Gauge, 7 Strands,	\$4.25 per 1,000 feet
18	" 7 " "	3.50 " " "
19	" 7 " "	3.00 " " "

Hollow Cable Clothes Line Wire.

X	- - -	\$3.00 per 1,000 feet
XX	- - -	3.25 " " "
XXX	- - -	3.75 " " "

Put up in 50 and 100 feet coils.
Trade discount..... %
Terms, 4 months, or 3% 30 days.
F. O. B. Toronto.

N.B.—This wire is manufactured from the best silver steel galvanized wire, and where splicing is necessary the ends are soldered, thus avoiding all injury to linen from rough points.

NOTE.

**Our Wire Nails and Barb Wire are
Standard, write for prices.**

**Our Galvanized Steel Twisted Ribbon Fencing is
the Cheapest Steel Fence in the Market. (47)**

ONTARIO MARKETS.

TORONTO, Nov. 18, 1898.

HARDWARE.

THE hardware trade continues in a satisfactory condition, the wholesale houses this week being very busy. A feature of the trade at the moment is the shipment of large quantities of goods on Northwest and British Columbia account. Wire of all kinds is still very quiet. The demand for wire nails continues good and the price bad, all sorts of rumors as to prices being current. Cut nails remain dull and unchanged in price. The demand for horse nails and horseshoes is brisk. Screws and bolts are going out well. There is no improvement in the demand for rope, but a good many halters are still wanted. On account of the loss of the Westmeath, it is likely that the trade will experience some inconvenience in keeping some of the sizes assorted. Cutlery and sporting goods are still in good demand.

BARB WIRE—Trade is dull and prices unchanged. We quote as follows: Four point, \$1.80 f.o.b. Toronto and \$1.85 f.o.b. London; two point at \$1.90 f.o.b. Toronto. Terms, 30 days or 2 per cent. 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—There is no improvement yet in the demand. Discounts are: Annealed, oiled and annealed, bright wire, coppered steel and spring, 37½ per cent. discount off the list, with allowance of freight up to 20c. per 100 lb.; galvanized, 30 per cent.

WIRE NAILS—The demand is good, but there is no improvement in prices. The base price for small lots is still \$1.75 Toronto, although lower prices rule on quantities.

CUT NAILS—quiet and unchanged. Base price \$1.75 Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—Trade is being well maintained. Discounts are as follows: Standard, oval head, 50 per cent. Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—An active trade is still to be noted. We quote as follows: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

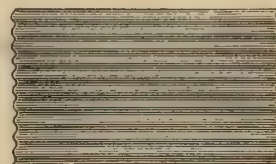
SCREWS—A nice trade is being done at unchanged prices. Discounts are as follows: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—The bolt trade is good in all reasonable lines. We quote as follows: Common carriage bolts, ¼

FOR ROOFING

Sidings, Ceilings and Arches

Use Owl Brand



CORRUGATED IRON

We can supply any gauge or size up to 120 x 33 in.

Galvanized or Painted Straight or Curved

Every sheet is accurately squared before corrugating—and the corrugations are pressed one at a time, not rolled, and are exactly uniform, fitting perfectly at ends and sides without any cutting.

Make satisfaction a certainty by specifying Owl Brand.

Full information in our catalogue.

The METALLIC ROOFING CO., Limited

1179 King Street West, TORONTO

to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¾c.; hexagon, 5¼c.

RIVETS AND BURRS—A steady trade is being maintained. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE—Trade continues dull and featureless. We quote as follows: Sisal, 7-16 in. and larger, 10c.; ¾ in., 10½c.; ¼ and 5-16 in., 11c.; Manilla, 7-16 in. and larger, 11½c.; ¾ in., 12c.; ¼ and 5-16 in., 13c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8½c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—A good demand is reported for these. We quote: Rope halters, ¾ in., \$8.25 to \$8.50 per gross; ½ in., \$9.25 to \$9.50; ¾ in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—Trade continues fair. Discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St.

Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—A fair trade continues to be done. We quote as follows: "New Leader," "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BELTING—A fair trade is to be noted. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

BUILDING PAPER—Trade continues much about the same as a week ago. We quote as follows: Plain building, 28 to 30c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.45 to \$1.50 for 10 oz. and \$1.50 to \$1.60 for 16 oz. per 100 lb.

CEMENT—Though the volume of business has decreased considerably, the market is steady and unchanged. We quote in barrel lots as follows: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.50; Canadian hydraulic cements, \$1 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

METALS.

Tin and copper have been somewhat irregular. Prices are, however, strong at the moment, but there has been no change in quotations. Business is fair.

PIG IRON—The market is steady. We quote: United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American

soft, \$12.05; No. 2 ditto, \$11.80. Hamilton iron, No. 1, in 100-ton lots, \$14, on track Toronto.

BAR IRON—Trade is fair. Base price, \$1.45 from stock and \$1.35 from factory.

BAND IRON—Business is moderate at \$1.65 to \$1.75 per 100 lb. for Canadian and \$2 for imported.

SHEET STEEL—Trade is still only moderate. We quote as follows: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$2.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Dull. We quote as follows: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—This is still active, the mild weather enabling work outside to be done. We quote: Queen's Head, 16 gauge, \$3.75; 18 to 24, \$4; 26 gauge, \$4.25; 28 gauge, \$4.50. American makes, 16 gauge, \$3; 18 to 24, \$3.15; 26 gauge, \$3.40; 28 gauge, \$3.75. In "Queen's Head," less than case lots, are quoted 25c. per 100 lb. higher than above figures.

INGOT COPPER—There have been some fluctuations in the outside markets, and the market at the moment is strong, with liberal shipments being made from New York. We still quote 13 to 13½c. per lb.

PIG LEAD—The market is dull, but prices are firmer in the United States. The quotation for imported still stands at 4c.

LEAD PIPE—Trade is fair. We quote: Ordinary pipe, 7c., and composition waste, 7½c., with 25 per cent. discount.

IRON PIPE—An active demand is still to be noted for iron pipe. We quote: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.25 to \$2.30; ½ inch, \$2.30 to \$2.35; ¾ inch, \$2.80; 1 inch, \$3.95; 1¼ inch, \$5.20; 1½ inch, \$6.75; 2 inch, \$9.10. Galvanized, ½ inch, \$3.95; ¾ inch, \$4.80; 1 inch, \$6.75; 1¼ inch, \$9.15; 1½ inch, \$11.75; 2 inch, \$16.

TUBING—We quote: Block tin, 30c., and tin lined, 15c., with 10 to 20 per cent. discount.

INGOT TIN—The market has shown some fluctuations, but, at the time of writing, it is strong. There is not a great deal doing, however, on the local market, buyers evidently being inclined to hold off. We quote 20½c. for Straits and 21c. for Lamb and Flag.

RANGE BOILERS—Trade keeps fair. We quote: Galvanized, 30 gals. \$5.25; 35 gal., \$6; 40 gal., \$7; copper, 30 gal.,

\$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES—A good trade is being done, and prices in England are advancing. We quote: All-bright, \$2.85 to \$3; half-polished, \$2.35; all-dull, \$2.25.

TIN PLATES—Trade keeps fair with prices unchanged at \$4.75 to \$5 for I.C.; \$6 to \$6.25 for I.X., and \$7.25 to \$7.50 for I.X.X.

COIL CHAIN—Trade is fair. We quote as follows: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ¾ in., \$2.80; ¾ in., \$2.75.

SHEET ZINC—Quiet and steady in price. We quote: 7¼c. for cask lots and 7½c. for small lots.

ZINC SPELTER—Prices are steady at 5¼ to 6c. per lb. for foreign. There is not much doing.

SOLDER—Trade is but moderate. We quote: Half-and-half 13½ to 14c.; standard, 13 to 13½c.; wire, 13c.; wiping, 11½c.

PAINTS AND OILS.

As is usual at this season, there is comparatively little movement to report. The feeling regarding all substances is firm, and prices are likely to continue at their present figure. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed):

Raw, 1 to 4 barrels, 51c.; boiled, 1 to 4 barrels, 54c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 56c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

The demand for window glass continues so good that every day the scarcity of many sizes is becoming more apparent. Dealers here were depending on the glass which went down with the Westmeath to relieve the shortage, and now that this is not forthcoming, the feeling regarding prices is firmer than ever. In fact, there is every probability that to-day (Saturday) an advance of 10c. for star and 25c. for double diamond will take place. We quote as follows: First break in 50-foot boxes, \$1.80 and in 100-foot boxes, \$3.40; double diamond under 25 united inches, \$5.25, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL.

Receipts of scrap iron have been so large that a decline of 5 to 10c. throughout is noted. No. 2 wrought scrap will not be bought at all. Zinc is in big demand. An advance of ¼c. is noted. We quote as follows: Agricultural scrap, 40c. per cwt.; machinery cast, 52c. per cwt.; stove cast scrap, 30c.; No. 1 wrought scrap, 40c. per 100 lb.; new light scrap copper, 8c. per lb.; bottoms, 8c.; heavy copper, 8¼ to 8½c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2¼c.; scrap rubber, 3½ to 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—No change in price. The market is weak. We quote: No. 1, 8½c.; No. 2, 7½c.; No. 3, 6½c.; cured, 9c.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Shearlings and lambskins continue firm at 75 to 80c.

WOOL—The market is dull. No change in prices, which are steady at 15c. for fleece, and 10c. for unwashed.

SEEDS.

The bad condition of country roads has somewhat retarded the delivery of both alsike and red clover this week. The feeling regarding alsike is easy, as foreign buyers seem to have their wants supplied. Jobbers are, consequently, judging samples,

offering more closely, and, though last week's figures, \$2.75 to \$4.25, still hold good, samples slightly off grade are not so freely accepted. The red clover market conditions are unchanged at \$3 to \$3.75 for last year's, and \$3.50 to \$4.25 for this year's crop. About \$4.50 is sometimes paid for extra choice samples of this year's growth.

COAL.

Jobbers are still behind their orders, the scarcity of cars being responsible. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

PETROLEUM.

The demand keeps brisk. Prices are unchanged. We quote at Toronto: Canadian, 13½c.; Sarnia water white, 15c.; American water white, 16½c.; Pratt's astral, 16c., in bulk.

MARKET NOTES.

Scrap zinc has advanced ¼c.

All kinds of scrap iron have declined 5 to 10c.

A great many goods are being shipped to the Northwest and British Columbia.

Certain descriptions of English spades and shovels are being imported into Canada.

NEW YORK MARKETS.

FIG TIN—The strong features of the market remain in bold relief. Tin continues to come to this quarter in considerable quantities, but is being consumed quite as fast, and there is no serious accumulation. In fact, dealers' stocks seem to be below the average, and the offerings of actual metal by brokers are suggestively small. Probably a few purchases could have been made at 18 to 18.10c. net for five-ton lots, but most holders ask 18.15c. upward for such quantity and 18.20 to 18.25c. for smaller lots from store.

Powell's cable report shipments from the Straits during the first half of November as being 1,730 tons, including 580 tons to the United States, 200 tons to England and 950 tons to the continent.


COPPER—Exports continue at a remarkably liberal rate, and deliveries to home consumers are also quite free. In fact, the output of the mines is being taken up very closely. Lake Superior ingot is quoted at 12¾ to 13c., electrolytic at 12½ to 12¾c., and casting stock at 12¼ to 12½c., according to brand and delivery.

FIG LEAD—There was nothing in the way of livelier buying interest on the part of consumers in this locality. Dealers were also indifferent operators, and outside operators did next to nothing. Prices were higher in the west, however, and correspondingly firmer here, at about 3.72½ to 3.75c. for common domestic in carload or larger lots on spot or early delivery.

SPELTER—Offerings are still very moderate of metal for delivery here during the balance of the year. Prices, therefore, remain very firm, in the face of more than

76,800 Daily Production.
5 Factories.
5 Brands.

For Sale all
over the world.



NICHOLSON
FILES

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of
America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited.

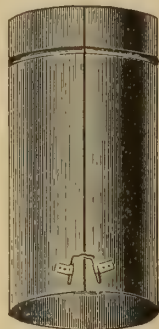
Established 1773

Manufacturers of POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS. Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass," St. Helens. Telephone No. 68 St. Helens.

CLOSED.

NESTED.



BARCLAY'S PATENT "TRIUMPH" Adjustable Stove Pipe

Can be put up by the most inexperienced.
So constructed that when taken down can
be nested and stored in small compass.

Manufactured by

G. B. BARCLAY

168 Adelaide St. W.

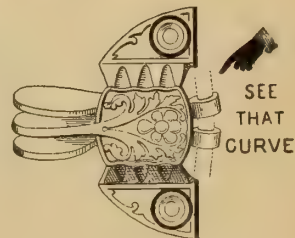
TORONTO

In Crates of 25.



The Philosophy of the Cooke Sash Lock:

- "A straight rod can't pass through holes that are not in line."
- "The Rod of the Cooke Sash Lock is straight."
- "The Holes in the lugs are never in line except when thumb pieces are pressed together."
- "You can't forget to lock securely; when your hand leaves the thumb pieces, the sash is locked."



COOKE HARDWARE CO.

HAMILTON, ONT.

STANDING SEAM SNOW SHOE IRONS

(PATENTED)

These irons are for standing seam metal roofs, the lugs shown clinching through the seam. No rails are needed if they are spaced properly, but the rail can be added if desired. We also make one for slate roofs, and besides acting as a snow breaker these irons improve the appearance of a building.



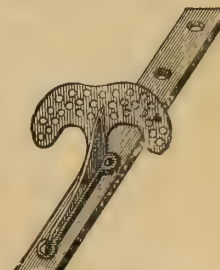
For Standing Seam

BERGER BROS. CO.

231 and 237 Arch Street

Factory at . . . Germantown Junction.

Philadelphia.



For Slate Roofs

ordinarily conservative buying. About 5.20 to 5.25c. was quoted for western prime on spot, or for delivery here during the next six weeks. London cables quoted £24 12s. 6d. for good merchant brands.

ANTIMONY—A moderate business only is being effected, and prices are still quoted at 8 to 8½c., as to brand, for wholesale lots.

TIN PLATES—Comparatively few orders, except for very moderate quantities, are being placed. The demand, generally, is

rather tame as well, and prices are weakish, although without radical change.

IRON AND STEEL—Pig iron is barely steady in price, and business, while of quite good volume, is insufficient to give holders any decided advantage. Old material is also rather easier, and seemingly not wanted by consumers in other than moderate quantities. There is no new feature in steel rails, structural steel, etc.—N.Y. Journal of Commerce, Nov. 17.

MANITOBA MARKETS.

WINNIPEG, Nov. 15, 1898.

WHOLESALE men report trade improving in almost all lines, consequent on the movement in wheat. Orders for next season's goods are also being booked by travelers. This is especially the case for carload shipments of barbed wire direct from factory. The price is even lower than the past season, being quoted at \$1.80 at factory.

The McClary Manufacturing Co. report this as the best year they have ever had since coming to the Province, and state that the demand for air-tight heaters is in excess of the output, and orders have been, in some cases, declined. Their improved business has not been in any one line exclusively, but has been general throughout all lines carried.

Glass remains firm at last week's advance, but will go higher. The loss of the steamer Westmeath will cause great inconvenience here, as she carried 1,000 boxes of glass for J. H. Ashdown and 600 for G. F. Stephens & Co.

Sleighbells, skates, hockey goods and the like are all in good demand just now.

Winnipeg's new hockey rink is progressing rapidly, and the prospect of more commodious quarters is giving additional impetus to the playing of this game.

Prices of general hardware are unchanged. It is not likely that any change will be made until navigation closes, when there will be a general advance.

There are a good many complaints coming in of elevators being blocked with wheat and no cars to take it out. Many grain men are almost afraid to buy, for fear of not getting wheat moved before navigation closes.

Prices are as follows :

Barb wire, 100 lb.	\$2 40
Plain twist wire and staples.	3 00
Oiled annealed wire.	10 2 80
"	11 2 90
"	12 3 00
"	13 3 15
"	14 3 30
"	15 3 65
Wire nails, 30 to 60 dy, keg.	2 35
" 16 and 20	2 40
" 10	2 45
" 8	2 50
" 6	2 65
" 4	2 75
" 3	3 00
Cut nails, 50 and 60 dy.	2 15
" 20 to 40	2 20
" 10 to 16	2 25
" 8	2 30
" 6	2 35
" 4	2 60
" 3	2 85
" 3 fine	3 15
Horse nails, 45 per cent. discount.	
Horse shoes, iron, light, medium and heavy, keg.	3 90
Snow shoes.	4 15
Steel, light.	4 15
" extra light.	5 75
Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	

Tool steel, Black Diamond, 100 lbs.	8 00
Jessop	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge.	3 75
28 gauge.	4 00
Galvanized American, 16 to 24 gauge.	4 00
26 gauge.	4 25
28 gauge.	4 50
Genuine Russian, lb.	12
Imitation	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge	7 50
28 gauge	8 50
Tin plate, 1C charcoal, 20 x 28, box	8 50
" IX	10 50
" IXX	12 50
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lbs.	6 50
Broken lots.	7 00
Pig lead, 100 lbs.	4 25
Wrought pipe, black, 1/4 inch.	2 50
" 3/8 inch.	2 75
" 1/2 inch.	3 00
" 3/4 inch.	4 00
" 1 inch.	5 00
" 1 1/4 inch.	7 00
" 1 1/2 inch.	8 50
" 2 inch.	11 50
" Over 2 inch.	65 p.c.
Rope, sisal, 7-16 and larger.	11 00
" 3/4 and 5-16	11 50
Manilla, 7-16 and larger	12 00
" 3/4 and 5-16	12 50
" 3/4 and 5-16	13 00
Cotton, all sizes, lb.	15
Axes, per box	\$5.50 to 8 00
Screws, flat head, iron	85 p.c.
Round	77 1/2 p.c.
Flat " brass	80 p.c.
Round " "	72 p.c.
Bolts, carriage	60 p.c.
Machine.	60 p.c.
Tire.	55 p.c.
Sleigh shoe.	65 p.c.
Rivets, iron.	50 p.c.
Copper, No. 8, lb.	28c.
Spades and shovels.	40 p.c.
Harvest tools.	60 to 60-10 p.c.
Axe handles, turned, s. g. hickory, doz.	\$2 50
No. 1.	1 50
No. 2.	1 25
Octagon extra.	1 65
No. 1.	1 25
Linseed oil, raw, per gal.	58
" boiled	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol.	25 p.c.
" military.	15 p.c.
American R.F.	35 p.c.
C.F. pistol.	5 p.c.
C.F. military.	Net.
Loaded shells, Robin Hood, M	\$20 00
Eley's 12 gauge, M.	16 00
American, M.	16 25
Shot, Ordinary, per 100 lbs.	6 75
Chilled.	6 75
Powder, F.F., keg.	4 00
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed.	70 and 30 p.c.
Granite ware, according to quality.	50 to 60 p.c.

W. G. HARRIS' NEW WAREHOUSES.

HARDWARE AND METAL referred some weeks ago to the fact that the buildings of W. G. Harris, who buys scrap, William street, Toronto, were almost completely destroyed by fire. Workmen were immediately engaged in clearing away the debris, and already the foundations have been laid and the walls commenced on two waste paper, rag and metal warehouses; the floor space will be fully 50 per cent. greater than in the old buildings.

Both these buildings will be four storeys high. One will be 125 ft. long by 30 ft. wide, the other 50 ft. long by 40 ft. wide.

In addition to these buildings, a scrap iron yard, 125 x 60 ft. and floored with heavy

hardwood, has been inclosed. A large part of this will be protected from the weather by sheds, where the various qualities will be sorted. A large iron smasher will be installed.

TRADE CHAT.

JOSEPH COVILLE, hardware merchant, Woodstock, Ont., has sold out his business to The Hobbs Hardware Co.

This is how a Lancashire firm makes its announcements through The Umpire: "Buy Blegburn tacks and tak no uther."

J. Hoodless & Son, furniture manufacturers, Hamilton, Ont., are dissatisfied with their assessment, and are considering the question of moving.

The agricultural implement dealers of Belle River, Ont., report that their sales and collections this season have exceeded those of last year by 25 per cent.

The merchants of Port Stanley, Ont., have agreed to close their respective places of business at 8 o'clock p.m., on and after November 1 next, except on Saturdays and days preceding public holidays. Funeral and marine supplies are also exempted.

The Canadian Locomotive Works Co., Kingston, are building three mammoth engines for the Intercolonial, and have received the contract for six more for the C.P.R. A Kingston despatch says this firm is likely to give steady employment to between 300 and 400 men for some time.

An exchange says: To make a half ton of coal to go as far as three-quarters of a ton, place a quantity of chalk in the grates. Once heated this is practically inexhaustible from combustion, and gives out great heat. Place the chalk at the back of each of your fires in nearly equal proportion with the coal. Full satisfaction will be both felt as to the cheerfulness and as to warmth of the fire, and the saving throughout the winter will be at the rate of 25 per cent.

"STARR" SKATES.

The Starr Manufacturing Co., of Halifax, N.S., are showing their usual complete line of skates. Their "Starr" hockey skate is having a large sale, and its lightness, strength and temper are highly commended by experts who have examined it. The "Mabel Davidson" figure skate continues to sell well, while the "Acme" appears to be as popular as ever. Mr. Jas. L. Paton, the company's agent in Montreal, appears to be well satisfied with present trade and future prospects.

O. Dubois is commencing business as saddler and carriage hardware dealer in Montreal.



EMERY

Cloth and Paper.
Glass and Flint Paper.

"Atlas" Brand

"FLORA" Knife Polish, in 3d., 6d.
and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality
for general and
special purposes.

EMERY GRINDING MACHINERY.



Write for Latest Catalogues and Samples to

THE LONDON EMERY WORKS CO.,

10-12 Vine Street
Clerkenwell,

LONDON, E.C.

Rodgers' Cutlery

*Has stood the test of over
two centuries. None genuine
without our Corporate Mark—
granted 1682.*



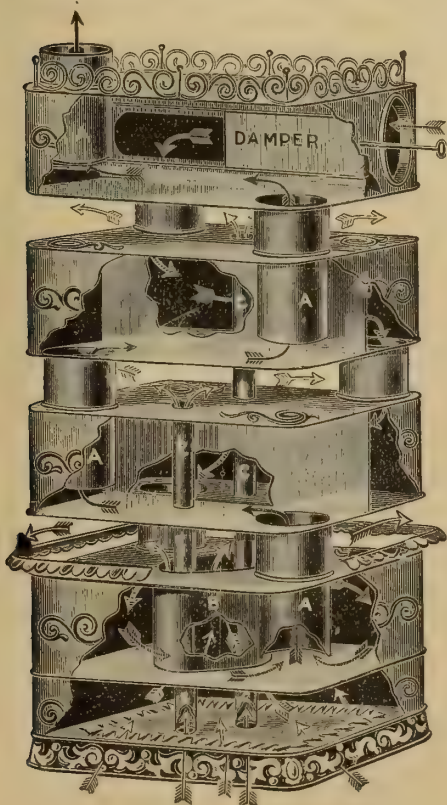
MAKE YOUR CUSTOMERS HAPPY

and make some money for yourself.

If you can save your customers one half of their fuel, or heat an extra room perfectly without additional fuel, do you not think they will be interested?

THE WINNIPEG HEATER WILL DO THIS

consequently it is easy to sell, and you will be surprised how it will advertise your business. **Now is the harvest time for selling these Heaters.** May we send you a sample on approval? Do you want the agency? It will only cost you a postal to get our prices and inducements if you are not too late.



The Metal Shingle and Siding Co.

PRESTON, ONT.

LIMITED

BUSINESS CHANGES.**DIFFICULTIES, ASSIGNMENTS, COMPROMISES.**

A E. MICKS & CO., hardware merchants, Peterborough, Ont., have assigned to Geo. Nicholson, Toronto, and a meeting of creditors will be held on November 22.

Mrs. Dumas, hardware dealer, Quebec, has effected a compromise.

Eusebe Levesque, general merchant, St. Pacome, Que., has assigned.

Arnold McBain, general merchant, Meagher's Grant, N.S., has assigned.

Lewis W. McGillivray, general merchant, Gabarous, N.S., is offering 25c. on the dollar, secured.

Prosper Lemoine, general merchant, St. Charles de Richelieu, Que., has assigned to Kent & Turcotte.

A meeting of the creditors of A. Gagnon, general merchant, Les Escoumans, Que., will be held on the 21st inst.

Leopold Rivet, carriagemaker, Repentigny, Que., has assigned, and Bilodeau & Renaud have been appointed curators.

PARTNERSHIPS FORMED AND DISSOLVED.

L. A. Demers & Cie., general merchants, Agnes, Que., have dissolved.

John A. Campbell, general merchant, Dalhousie Station, Que., has sold out.

Hagerman & Jull, general merchants, Ridgeway, Ont., are advertising to sell out.

Stanley Thibault, general merchant, Lac a la Tortue, Que., has sold his stock at 60c. on the dollar.

Johnasson & Johnson, general merchants, Tindastoll, N.W.T., have dissolved, Johnasson continuing.

Sweet & McDonald, harness dealers, Regina, have dissolved, Alexander McDonald continuing.

The stock of Fred. Kennedy, general merchant, Douglastown, Que., has been sold at 35c. on the dollar.

N. Barbeau and Narcisse Auclair have registered partnership under the style of Barbeau & Auclair, painters, Quebec.

David M. Coulter and J. W. Berry have registered partnership as general merchants under the style of Coulter & Berry, Langley Prairie, B.C.

CHANGES.

The Gall Lumber Co., Limited, Toronto, has been incorporated.

John Hope, blacksmith, Elginburg, Ont., has sold out to W. W. Keels.

Thos. Taylor, machinist, Aylmer, Ont., has sold out to Wm. Pickham.

Martha Carle, harness dealer, Langton, Ont., is removing to Tilsonburg.

Wm. T. Potts, saddler, Russell, Man., has sold out to Frank Mathewson.

Maria Lazare, general merchant, St. Helene (Kamouraska), Que., has retired.

Alex. Fountain, blacksmith, Rounthwaite, Man., has sold out to Neil Stevenson.

Thos. E. Kitchen, blacksmith, Vanessa, Ont., has been succeeded by Frank Cooper.

John Rieger, blacksmith, etc., Aldershot, Ont., has been succeeded by Geo. Sinclair.

H. J. Langstaff, implement dealer, Yorkton, N.W.T., has sold out to Bull & Dunlop.

Albert Francois, general merchant, St. Helene (Kamouraska), Que., has retired from business.

W. H. Rhora, dealer in agricultural implements, Dunnville, Ont., has removed to St. Thomas.

Robert Gillies, general merchant, Williamsford and Blantyre, Ont., has sold his Blantyre branch to R. C. Gillies.

Rendell & Co., general merchants, Greenwood City, B.C., have sold their grocery department to A. H. Sperry & Co.

FIRES.

The pattern shop of F. X. Drolet, machinist, Montreal, has been damaged by fire; insured.

Paul Bros., planing millers, sash and door manufacturers, etc., Midland, Ont., have been burned out.

The works of the Pillow & Hersey Mfg. Co., Limited, Montreal, manufacturers of nails, have been partially damaged by fire; insured.

DEATHS.

Mrs. T. Fenette, general merchant, Ste. Anne de la Perade, Que., is dead.

Noe Raymond, of Raymond & Frere, general merchants, St. Hyacinthe, Que., is dead.

John McMahon, of McMahon Bros., general merchants and hotelkeepers, Moyie City, B.C., is dead.

TORONTO BUILDING PERMITS.

Building permits have been issued in Toronto to W. F. Young, for a two-storey brick store and residence at 558 Queen street west, to cost \$1,400, W. Adams, architect; to Geo. H. Ledger, for a one-storey brick addition to rear of 214 Yonge street, to cost \$1,000, Sexton & Co., architects; to Wm. Murray, for a two-storey and attic brick residence on Madison avenue, near Lowther avenue, to cost \$4,000, R. M. Ogilvie, architect; to Reinhardt & Co., for a three-storey brick and stone addition and a brick chimney to their brewery on Mark street, to cost \$5,000, W. Brand, architect; to the Salvation Army, for a one-storey addition to the Salvation Army barracks at Nos. 122 to 126 Lisgar street, to cost \$1,200, R. M. Ogilvie, architect.

The smelter at Golden, B.C., will soon be in operation.

AN IMMENSE SHIPMENT.

OF SIR JOHN POWER & SONS' CELEBRATED IRISH WHISKEY FOR LONDON, FOR SIR THOMAS LIPTON & CO., LIMITED.

Evening Telegraph, Dublin.

To-day there was a remarkable procession through the city of Dublin. The biggest shipment of whiskey that ever left the country in one cargo was brought to the Customs House quay, where it was put on board a specially chartered steamer for conveyance to London. The order was placed with Power's Distillery, Thomas street, by Sir Thomas Lipton & Co., Limited, who are entering the whiskey trade. The consignment left the distillery in 150 floats and vans of Messrs. Power & Sons, and the route lay through Victoria quay, Wood quay, Merchants' quay, Parliament street, Dame street, Westmoreland street and O'Connell bridge, to the Customs House quay. The procession was watched by a number of people at different points on the route. On the barrels was a large poster, with the inscription: "Irish Whiskey for Liptons, London." The work of loading the whiskey on the steamer was begun immediately and occupied the rest of the day. The procession was remarkable for the fine turnout of Messrs. Power's horses and vehicles, and the immense number of whiskey casks, the largest previously seen together in the streets of the city, was the subject of much wonder to the passers-by and crowds of onlookers.

They appreciate a good thing in the metropolis.

MEAGHER BROS. & Co., Agents,
Montreal.

RAND DRILL CO. WANTS A BONUS.

The Canada Rand Drill Co., Sherbrooke, Que., has found it necessary, owing to increasing business, to extensively enlarge their premises, and recently made application to the Sherbrooke city council for a bonus of \$20,000 and exemption from taxes for 20 years.

The application was considered by the finance committee of the council, who eventually recommended that \$15,000 bonus and an exemption from taxes for 10 years be offered the company, on condition that they employ, on an average, 75 men for 10 years; that they pay at least \$35,000 in wages; that the building will cost at least \$20,000, and that the plant cost a like amount. This recommendation was adopted.

The Rand Drill Co. has not yet decided whether this offer will be accepted or not.

SITUATION WANTED.

A S BOOKKEEPER, ADVERTISING WRITER and designer, by printer—can look after printing and advertising schemes of large firm. Address, "Printer," care HARDWARE, Toronto. (47)



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed
Nuts, Square and Hexagon**KNOX HENRY.**Heavy Hardware and Metal Broker
Room 220 1/2 Board of Trade, MONTREAL.**SPECIALTIES**—C Brand Horse Nails—Canada
Horse Nail Co.**BOLTS**—Tire and Stove Rivets of all kinds—
Chalcraft Screw Co.**BRASS GOODS**—Gunn Costor Co., Limited,
Birmingham, Eng.**English Castor Oil**

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second PressureIn cases of 2 tins and in barrels. Stocked
by all Hardware, Oil and Color men.The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.

Agents for Canada

MONTREAL

ADAM HOPE & CO.

30 JOHN STREET

Hamilton

Offer for sale ex Store and
to arrive**PIG TIN**

Boustead & Co's Brand.

Straits Brand.

Lamb and Flag Brand.

Market Strong.

WIRE FOR PRICES

**BOLTS STOVE
TIRE**

RIVETS OF ALL KINDS.

Montreal Agent—KNOX HENRY,
Board of Trade Bdg.Toronto Agent—LOUIS HUFFMAN,
1634 King Street West.**CHALCRAFT
SCREW CO.**

BRANTFORD, ONT.

We are the Oldest and Largest Manufacturers of

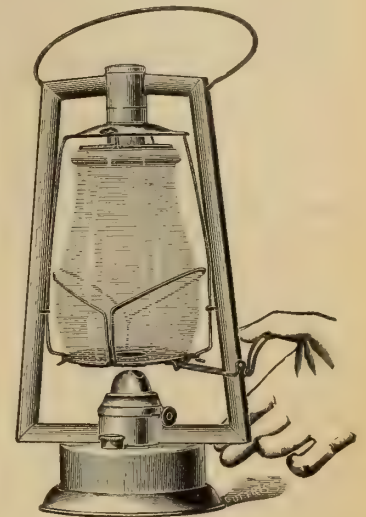
**SCREWS and
BICYCLE PARTS**in the Dominion. You know what that means, that if you
want proper goods at proper prices you should write us,
which please do if interested.

The...

John Morrow Machine Screw Co.

Ingersoll - Ontario.

The Best Made Anywhere.

**E. T. Wright & Co.**

Manufacturers

HAMILTON, ONT.

ABOUT HORSE-NAILS:—

Two-thirds of one cent represents very fairly, the total amount a farrier will apparently save on the average cost of nails consumed in shoeing a horse, by using the cheapest grade, and lowest priced horse nails sold in Canada, as compared with the cost of the best obtainable, viz: the old and reliable "C" brand.

A 25-lb. box of No. 8 "C" brand oval head horse nails contains about 2,500 nails, which quantity will be sufficient to shoe seventy-eight horses, allowing 32 nails to each full set of shoes. The farrier will receive at least one dollar and twenty-five cents as his charge for each set of shoes; in some localities more; the total value of his services for shoeing 78 horses, will therefore, at current rates, average about one hundred dollars; on this amount it is possible he can reduce the cost of material used by about fifty cents, in substituting a box of "cold process" or other cheap grade horse nails, which are made from American Steel Wire Rods. This reduction in cost represents about two-thirds of one cent on each set of shoes; or one-half per cent. on the value of the work when done! We believe if these facts were made known, that every intelligent farrier in Canada, who takes a pride in doing only the best work, would not hesitate to pay such a trifling advance as two-thirds of a cent for the "C" brand nails, which we claim are not only the best in Canada, but are not surpassed by any other maker in the world. We have made and sold horse nails exclusively in Canada for the last 33 years, always using the best quality of Swedish Charcoal Iron Nail Rods as our material, and by our process of manufacture producing as perfect a nail as possible in quality, pattern and finish. A reduction in cost of manufacture by using other than the best Swedish material, or the "hot-forged" process, is effected at the expense of quality. Our nails will be found easier to drive, to prove tougher, and hold the shoe on longer than others; therefore more economical to use. Every nail we sell you under the "C" brand is fully warranted to be perfect; therefore no risk in buying, nor trouble in selling them. It is false economy to purchase "cheap" nails; the best are always the cheapest.

You can do all your horse nail business with the "C" brand. Why keep two stocks on hand? When your orders are sent through any hardware merchant, always insist upon having our nails, and refuse all substitutes. If you cannot obtain the "C" brand, please advise us. Our name and brand is on each box of our manufacture; none otherwise are genuine. Prices and samples on application.

CANADA HORSE NAIL COMPANY

MONTREAL.

HARDWARE TRADE IN NOVA SCOTIA

IN a recent issue The Halifax Herald, in an article dealing with the trade in its Province, said:

"In the wholesale hardware trade of Halifax, which has for its territory Nova Scotia, P.E.I., and a part of New Brunswick, ten houses are engaged, employing 18 travelers. One of these houses has this year for the first time sent out a traveler, and the houses are each represented by from three travelers to one. The number of these has considerably increased within the past year or two.

"While Halifax thus has 18 hardware travelers in this territory, Montreal has but one, whereas only a few years ago the commercial metropolis was represented in these Provinces by five men. Only one Montreal hardware house keeps up its connections to any extent in this country.

"A prominent Halifax wholesale hardware man, who had given the subject considerable thought, told The Herald's representative that he estimated the total trade of Halifax in wholesale hardware at \$1,500,000 a year. This he thought was well on for half the annual consumption of Nova Scotia and P.E. Island. The remainder of the trade goes to Montreal, and to St. John. The New Brunswick metropolis is no mean competitor in this department of trade, though

the firms in that city are less in number, they are energetic and send their men into Nova Scotia as far east, even, as Cape Breton. As already stated, our merchants retaliate to some extent by invading especially northern New Brunswick.

"Comparing the trade of Montreal and Halifax in these Provinces, it is found that the former sells pretty much only light or shelf hardware—lines in which that city appears to maintain considerable supremacy, an advantage, however, that is being gradually relinquished. Another comparison that is interesting is this, that Montreal's trade in Nova Scotia has decreased more decidedly than it has in New Brunswick.

"Speaking of the 'passing of the western hardware traveler' said the merchant who kindly furnished some of the information contained in these notes, 'it is not so long ago that even Toronto had a hardwareman on the road in Nova Scotia, but he has gone, doubtless, forever.'

"One thing that gives Montreal an advantage during a great part of the season is the low freights they get by water via the St. Lawrence to P. E. Island and some Nova Scotia points. A disadvantage, too, under which Halifax trade with P. E. Island rests, and which should be removed, is this, that it is impossible for our merchants to obtain through bills of lading on the P. E.

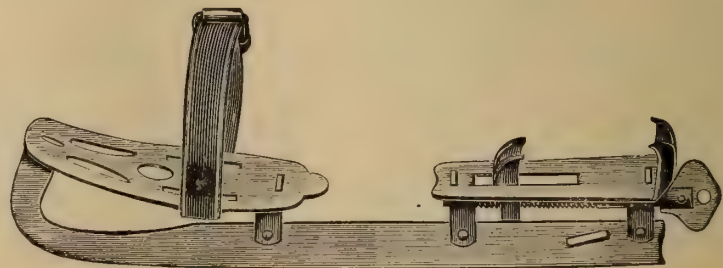
Island railway, when shipped by steamer from this port. The responsibility for this appears to rest with the Halifax shipping men, who, for some reason or other, have not obtained for their patrons this privilege. Whatever the cause is, or whoever is to blame for the lack of this modern business convenience, the disability should at once be removed. It is a matter of sufficient importance for action by the board of trade, with the awakened aggressiveness of Halifax business men, which, within five or six years, in the hardware trade particularly, has had such a salutary effect on Montreal; it should not take long to secure a small boon like the privilege of making through shipments to P.E. Island points from Halifax.

"There are too many in the wholesale hardware business for the trade that is available—10 houses, with an aggregate annual volume of \$1,500,000. The expense of maintaining so many staffs is out of proper proportion to the profit that is in the business. Compared with our 10 houses, St. John has four, but the trade of Halifax is proportionately larger, and, besides, some of the Halifax houses do not pretend to do a very large wholesale trade. Montreal can successfully compete only where the freight charge is a small percentage of the cost of the goods."

A GREAT BARGAIN

All Steel Skates with Toe Strap

... AT ...
20c. PER PAIR



Boys' Sizes, 9½, 10, 10½, 11 in.

Also other lines of Henry Boker's Skates.

For sale by

Caverhill, Learmont & Co., Montreal.

Rice Lewis & Son, Toronto.

John Bowman Hardware & Coal Co., London.

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Wood, Vallance & Co., Hamilton.

CANADA.---Wanted energetic
AGENT for Canada,

on commission, by Joseph Rodgers & Co., Rio Works, Sh-field, England. Only those with first-class connection need apply. Address, with full particulars as to connection, etc., direct to the firm. (48)

Buy the Best.**HERCULES****Sash Cord.**

Star Brand Cotton Rope
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Star Brand Cotton Twine

For Sale by all Wholesale Dealers

ISLAND CITY
Paint and
Varnish Works

.. Manufacturers of ..

READY MIXED PAINTS and
FINE COACH VARNISHES.

WAREHOUSES: 100 and 102 Bay St., TORONTO.
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ILLINOIS CUTLERY CUTS!

No. 1 Bread Knife Set.

One each, Bread, Cake and Paring Knife, malleable handles firmly riveted to steel blades, will cut hot or cold bread without crumbs. Each set in paper box.

PAT. AUG. 15. 1893.



Combined Grater and Slaw Cutter.

The only one; slicer and grater are detachable; slicer sheet made of Apollo galvanized iron with steel cutting blades. It will slice cabbage apples, potatoes, cucumbers, onions, turnips, beets, and everything in the vegetable line. It is a time and labor saver; is used in the kitchen every day.



Famous Parer and Slicer.

Polished beech handle, nickel plated steel blade and ferrule, takes off an even peel, easily sharpened and cleaned. The best paring knife for potatoes, apples, pears, turnips, quinces and firm peaches. Write for our catalogue.

Sole Canadian Agents, Squire, Watson & Co., Montreal, Canada; Chas. E. Santo, London, Canada.

ILLINOIS CUTLERY COMPANY,

Decatur, Ill., U. S. A.

NOW is the time to
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CHAMPION FURNACE BRUSHES

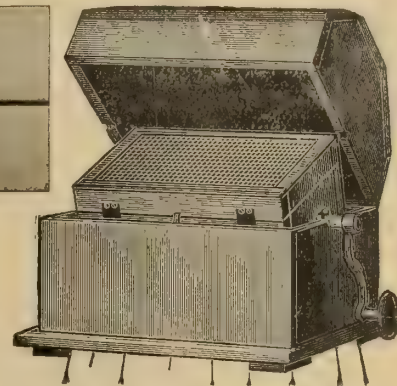
Steel Block—Steel Brush—Steel Handle—ALL STEEL.

Also of.. **Champion Cinder Sifters**

The best sifter in the market. No dust—easy to work. Never gets out of order, and cleans cinders perfectly. Send for prices.

MEAKINS & CO.

313 St. Paul Street, MONTREAL

**STEVENS FINE TOOLS**

We make a perfect line
of—

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool Makers' Clamps, Center Punches, etc.

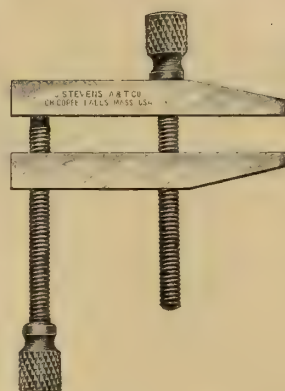
Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.

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Chicopee Falls, Mass., U.S.A.

Carried by our representatives at Toronto and Montreal.


PERFECTION
AUTOMATIC
REVOLVER.

NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.



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Manufacturers of the

Forehand Guns

Worcester,
Mass.

NEW GOODS in every line of our
 manufacture.


NO. 6210 FERN POT.

IN STERLING SILVER
 AND
ELECTRO SILVER PLATE

Have you a copy of
our new

CATALOGUE?**The Toronto Silver Plate Co., Limited,**

Silversmiths and Manufacturers of Electro Silver Plate.

FACTORIES AND SALESROOMS, KING ST. WEST, TORONTO, CAN.

E. G. GOODERHAM, Manager and Sec.-Treas.

HEATING AND PLUMBING

PLUMBING BY-LAW WANTED.

A CORRESPONDENT of The Peterborough, Ont., Examiner, writes, stating that a plumbers' by-law is a necessity in Peterborough. Some plumbing recently taken from a house in that city is so defective, so poorly-constructed that the correspondent refers to it as a death-trap and a monstrosity. He also expresses the conviction that this job is duplicated in many Peterborough residences.

The Examiner, in commenting on the correspondent's letter, says :

Our correspondent's letter is exceedingly timely. With the inauguration of a sewerage system the problem of effective plumbing should receive immediate and practical attention. As a matter of fact the council should have considered a plumbing by-law when they were letting the contract for the first instalment of sewerage. Immediate action should be taken and a by-law passed that would provide for required inspection to insure that no domestic plumbing that is not above the possibility of giving away should be permitted to pass. Health, and what is more, life depend upon the perfection of, especially, domestic or, indeed, any residential plumbing. Not an hour should be wasted by the board of health and the council in seeing that the protection of the health of citizens as associated with proper plumbing is efficiently provided. The longer the delay the greater possibility of services being put in that will be a menace to the occupants of the house or building in which they are placed. In regard to the specimen of imperfect plumbing referred to by our correspondent, it may be easily explained and may have been as much the fault of the proprietor as the plumber. If employers insist on screwing down a plumber to an impossible price, it is not in human nature that the work should be done in a first-class manner at third-rate prices. As a rule, any article or work is worth what we pay for it. If we pay slop work price, we get scamp work of necessity. In plumbing, above all things, the work should be the best we can get, for health and life depend upon it. A man should no more think of getting poor plumbing, because he gets it cheap, than he would think of employing a poor physician for his family, instead of a good one, simply because he might get him for a smaller fee. No time should be lost in providing means by which perfect plumbing shall be insured.

PLUMBING AND HEATING NOTES.

The ratepayers of Bothwell, Ont., by a majority of 90, have decided that the town must be lighted by electricity.

The village of Stayner, Ont., will, on Dec. 13, vote on a by-law to authorize the expenditure of \$24,000 on a waterworks system. If the by-law passes, Stayner will rank high as an ambitious corporation, as the total assessment of the place is but \$210,625, less than nine times the expenditure projected.

The Duncombe Co., millers, etc., Waterford, Ont., who are extending their capacity,

have installed an ingenious water-power system. A long, round tunnel of sheet iron connects their mill-pond with a huge sheet iron reservoir, from which three smaller sheet iron pipes connect with the water-wheels separately. The advantages of this system are numerous, but the chief are the saving of power and the ability to use one or more wheels at a time. The reservoir is provided with an overflow shelf at the top.

PLUMBING AND HEATING CONTRACTS.

E. C. Mount, of Montreal, has the plumbing and heating contract for two houses on Grosvenor avenue, for T. Henderson.

The Bennett & Wright Co., Limited, of Toronto, have the contract for plumbing and heating another cottage at the Muskoka sanitarium, Gravenhurst, Ont.

W. Mashinter & Co., Toronto, have contracts for the plumbing, hot-water heating and drainage of a house in Rosedale, for Albert Horton; for steam heating a residence for Prof. A. B. Willmott, Prince Arthur avenue, and for hot-water heating a warehouse at 90 Wellington street west, for Mr. Morang, Toronto.

Purdy, Mansell & Co., Toronto, have contracts for plumbing and hot-water heating in a residence for Dr. Gordon, corner Huron and Bloor streets; plumbing and hot-water heating in residence of J. L. Spink, Avenue road; hot-water heating for residence of F. E. Phillips, Dunbar road, Rosedale; steam heating and plumbing in a warehouse on Wellington street west for S. F. McKinnon; steam heating in Metallic Roofing Co.'s factory, King and Dufferin streets; steam heating in Gold Medal furniture factory, Hamburg avenue; plumbing and steam heating in F. Simpson's stove building, Yonge street; hot-water heating and plumbing in residence of F. E. Clarke, Rosedale, Toronto,

PROTECTING WATER CLOSET TRAPS.

The following method of protecting water closet traps is given by F. P. Dunnington, of the University of Virginia, in a recent number of The Scientific American :

In cold weather not unfrequently there is necessity for leaving the trap of a closet unused in a location where it cannot be warmed, when, if the water standing in it is frozen, the trap might be destroyed, or, if the water be removed, sewer gas would escape. This difficulty may be overcome by putting into the trap about 1 pound of common salt. This salt will saturate 3 pints of water, which is approximately the volume required to fill a closet trap, and this solution will not be frozen at any temperature above zero. Repeated stirring will be required to get the salt dissolved.

In hot weather, in an unoccupied house there is danger of water evaporating from a closet trap, so as to "break the seal" and allow the escape of sewer gas. This result may be prevented by putting into the trap about ½ pound of dried commercial calcium chloride (costing a few cents). This salt has so great an affinity for water that it will hold on to it even through the greatest heat of the summer, and it is not corrosive or poisonous.

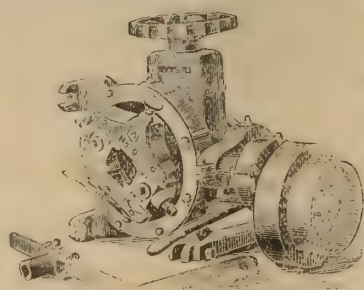
In some degree calcium chloride acts like common salt in preventing freezing, but for this purpose common salt is most efficient.

SOLD OUT TO HIS BROTHER.

After being in the business for upwards of twenty years Mr. Peter Hope, Perth, has disposed of his tinware, stove and furnace business to his brother William, lately of Devil's Lake, Dakota, who will continue under the style of Wm. Hope & Co. The new proprietor is a native of Perth, and is therefore not a stranger in the town. He is a practical business man. The former owner will go into the plumbing business exclusively and for the present will be found at the old stand.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)



No. 0 Threading Machine, with power attachment.

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.

THE ARMSTRONG MFG. CO.

New York Office,
139 Centre Street

Bridgeport, Conn.

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DOMINION RADIATOR COMPANY

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Dealers

in the most complete line of

Steamfitters' Specialties

HEAD OFFICE and WORKS:

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Steam Traps, Separators
Wrought Iron Pipe
Cast and Malleable Fittings
Also Galvanized Pipe and Fittings
Brass and Iron Body Valves, etc.



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Representing British and American manufacturers of
Tinplates, Tinned Sheets, Terne Plates, Canada Plates Gal-
vanized Sheets, Imitation Russia Sheets Black Sheets—Iron
and Steel—Hoops and Bands, Proved Coil Chain, Brass and
Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

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We have extensive experience in the intricate patent
laws of 50 foreign countries. Send sketch, model or
photo. for free advice. **MARION & MARION**,
Experts, New York Life Building, Montreal, and
Atlantic Building Washington, D. C.

T. L. Paton.

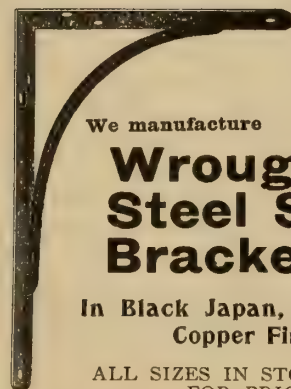
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Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
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IRON PIPE and FITTINGS

Valves and appliances for

STEAM and HOT WATER
HEATING.

THE JAS. MORRISON BRASS MFG. CO.
TORONTO Limited



We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and
Copper Finish.

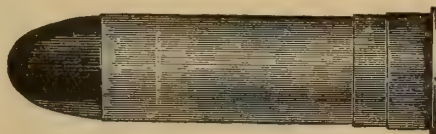
ALL SIZES IN STOCK. SEND
FOR PRICES.

H. R. IVES & CO., Montreal.

METALS

HARDWARE

GLASS



SNIDER AMMUNITION---Ball and Shot.

Enquiries Solicited from Merchants only.

CAVERHILL, LEARMONT & CO.,

-

MONTREAL

TO BROWN IRON OR COPPER.

AS IT IS frequently desired to give iron or copper articles a handsome and yet durable brown coloring, says The Illustrirte Zeitung fuer Blechindustrie, for which really good recipes are not at hand, we will give below some directions which have been tried in practice.

The process consists in rubbing the objects with a consistent mass, composed of several substances, and burning in the applied layer so as to prevent oxidation. This method finds frequent use on copper ware, not only to avoid oxidation and the tiresome polishing which becomes necessary, but also to impart to the copper, whose natural color is rather glaring, an appearance more pleasing to the eye. Annealing and careful cleansing with corrosives of the articles have to precede the browning process. A dark brown is obtained by stirring equal parts of verdigris and colcothar (English red) in vinegar to a pasty consistency, applying this on the well cleaned and dried parts, heating to redness and quickly rinsing off in acetate of copper.

Another mixture, which has likewise been found valuable, is the following: Make a paste of 2 parts of finely-powdered iron oxide with alcohol. This mass is applied with a brush as uniformly as possible; heat over an open fire, rinse off and polish with a soft brush. If the desired effect of the color is not produced thereby the operation must be repeated. Lighter brown shades are produced by applying a composition of 2 large parts verdigris, 2 parts vermilion, 5 parts sal-ammoniac and 5 parts alum with vinegar. After the application the parts are heated and rinsed off. With the above operations the greatest cleanliness must be observed, and the touching of portions to be browned with sweaty fingers must be avoided, else spots will result, which can only be removed by taking everything off again.

The process of browning has also found great favor in the manufacture of arms. The barrels of the guns, etc., are, for this purpose, thoroughly polished with emery, cleaned of all adhering grease, and rubbed with the following mixture: Antimony chloride, 2 parts; gallic acid, 1 part; water, 4 parts. This is allowed to dry in a warm place 10 to 12 hours; then the article is warmed slightly, rubbed with a woollen rag, and polished with olive oil and wax. This is repeated according to how the color turns out.

Another good mixture consists of equal parts (by weight) of butter of antimony and olive oil, and 1 part silver nitrate in 500 parts water, as well as 54 parts blue vitriol, 26 parts alcohol, 14 parts nitric acid, 3 parts iron filings, and 200 parts water.

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

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Cor. Jordan and Melinda Streets

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Telephone 689.
Cable "LeVesconte" Toronto.



VanTuyt & Fairbank

Petrolia, Ont.

Headquarters for...

Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.

PARIS ELECTRO PLATING CO.

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings
Piano Stool Feet, Novelties, etc. Bicycle Work
a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.

We have added a large moulding shop to our establishment, and are making a specialty of fine castings.

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.



STEEL LETTERS AND FIGURES, STEEL STAMPS

If your jobber does not keep our goods, write us direct, we are the manufacturers.

Hamilton Stamp &
Stencil Works
Hamilton, Ont.

Send for 100-page catalogue
Stamp and Stencil goods.



Gives universal satisfaction. Every blade stamped with our name or trade mark we guarantee to be made of the best steel.

E. F. WALTER & CO.
MONTREAL



HUTCHISON, SHURLY & DERRETT

1078 BLOOR STREET WEST, TORONTO.

The Portland Rolling Mills Co., Limited

Manufacturers of

Refined Bar Iron

Railway Spikes

Pressed Spikes

Nails and Tacks

"Diamond" Brand Horse Shoes

ST. JOHN, N.B.



"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

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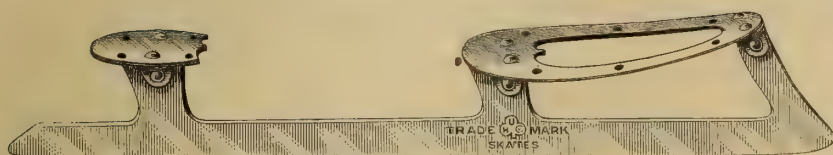
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TORONTO, ONT.

UNION HOCKEY SKATES



These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH**, which is guaranteed. **WEIGHT**, which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT** and **HANG** for ease of stroke and cutting corners.



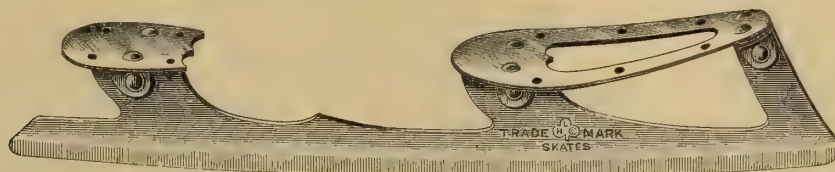
Plain Runner, Straight.



Plain Runner, Curved Blade.



Ribbed Runner.

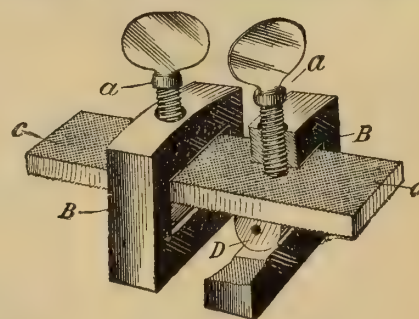


Ribbed Runner, Curved or Rocker Blade, for Ladies.



Victoria Club Skates.

UNION SKATE SHARPENER



UNION CLUB SKATES

**THESE
PATTERNS
MADE IN
ALL VARIETIES
OF FINISH AND
QUALITY**

**THE LARGEST
AND MOST COMPLETE
LINE ON THE MARKET**

Write for circular for full information for importing or we will tell you where they may be obtained in Canada.

UNION HARDWARE CO.

New York Office:

95 Chambers Street

TORRINGTON, CONN., U.S.A.

STANDARD TOOLS

WARNOCK'S Axes and Edge Tools stand without an equal in the Canadian market. Every tool bearing our name is Guaranteed. When ordering always specify Warnock's Tools, then guarantee them to your customers.

JAMES WARNOCK & CO. - Galt, Ont.

CURRENT MARKET QUOTATIONS.

November 18, 1896

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—
56 and 28 lb. ingots, per lb. 0 00 0 21
Straits 0 00 0 20½

Tin Plates.

Charcoal Plates—Bright.
M.L.S., equal to Bradley. Per box.
I.C., usual sizes 5 00
I.X. 6 25
I.X.X. 7 50
J.R. & Co.—
I.C. 4 75 5 00
I.X. 6 00 6 25
I.X.X. 7 25 7 50
Famous—
I.C. 5 00
I.X. 6 25
I.X.X. 7 50
Raven & Vulture Grades—
I.C., usual sizes 3 50
I.X. 4 25
I.X.X. 5 00
I.X.X.X. 5 75
D.C., 12½x17 3 00
D.X. 3 75
D.X.X. 5 75

Note.—Other brands might be shaded by 25c per box.
Coke Plates—Bright.
Bessemer Steel.
I.C., usual sizes 3 00
I.C., special sizes, base 3 15
20x28. 6 00 6 25
Charcoal Plates—Terne.
Dean or J.G. Grade—
I.C., 20x28, 112 sheets 6 00
I.X., Terne Tin 7 50
I.C., Orion 6 00
I.X., Orion 7 25 7 50
Charcoal Tin Boiler Plates.
X.X., 14x56, 50 sheet box } Per lb.
" 14x60 " } 0 05¼ 0 06
" 14x65, " }
Tinned Sheets.
72x30 up to 24 gauge. 0 05¼ 0 06
" 26 " 0 06½ 0 06¾
" 28 " 0 07¼ 0 07½

Iron and Steel.

Common Bar, per 100 lbs. Base Price
" from factory 1 45
Refined " 1 35
Horse Shoe " 1 60
Band " 1 65 1 75
Hoop " 2 00
Swedish " 4 00 4 25
Sleigh Shoe Steel " base 1 75
Tire Steel " 1 75
Machinery " 1 85 1 95
Cast Steel, per lb. 0 10 0 14
Thos. Firth & Sons' Cast Steel 0 12 0 14
Russian Sheet, per lb. 0 10½ 0 11
Tank Plates, 1-5 and thicker. 2 00 2 25
Boiler Rivets 4 50 5 00

Boiler Tubes.

1½ inch 0 06¼
2 " 0 07¼
2½ " 0 09¼
" 0 11

Steel Boiler Plate.

-16 inch 2 00
" 1 90

¾ inch and thicker. 1 75

Sheet Iron.

16 gauge and heavier 2 50 2 70
18 to 20 gauge 2 25 2 50
22 to 24 " 2 30 2 40
26 " 2 40 2 50
28 " 2 50 2 60

Canada Plates.

All dull, 52 sheets 2 25
Half polished 2 35
All bright. 2 85 3 00

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ¾ inch, \$2.30 to \$2.35; ½ inch, \$2.31 to \$2.33; ¾ inch, \$2.80; 1 inch, \$3.95; 1¼ inch, \$5.20; 1½ inch, \$6.75; 2 inch, \$9.10.
Galvanized, ½ inch, \$3.95; ¾ inch, \$4.80; 1 inch, \$5.75; 1½ inch, \$9.15; 2 inch, \$11.75; 2½ inch, \$16.00. Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p. c.

Galvanized Iron.

16 gauge 3 00 3 75
18 to 24 gauge 3 15 4 00
26 " 3 40 4 25
28 " 3 75 4 50

Chain.

Proof Coil, 3-16 in., per 100 lbs. 25
" ¼ " 4 65
" 5-16 " 3 75
" ¾ " 3 25
" 7-16 " 2 85
" 2 " 2 75
" 3 " 2 75
" 3½ " 2 63
Trace, per doz. pairs. 3 60 5 90
Jack chain, iron, single, per doz. yards. 0 13 0 50
Jack chain, double, per doz. yards. 0 15
Jack chain, brass, single, per doz. yards. 20 10

Copper.

Ingot.
English B. S., ton lots 0 13 0 13½
Lake Superior.
Bolt or Bar.
Cut lengths, round, ½ to ¾ in. 0 20 0 22
" round and square 1 to 2 inches. 0 19½ 0 20
NOTE.—Complete, lengths about 15 feet from 18½ to 19 cents a pound.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60 0 16 0 17
Untinned, 14 oz., and light, 16 oz., irregular sizes. 0 16 0 17½
NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.
Planished and tinned, 14x48 and 14x60 0 25 0 27
Braziers. (In sheets.)
4x6 ft. 25 to 30 lbs. ea. per lb. 0 17½
" 35 to 45 " 0 17
" 50-lb. and above, " 0 16½
Boiler and T. K. Pitts.
Plain Tinned, per lb. 0 21
Spun, per lb. 0 25

Wire.

Pure, in coils—
From 1 to 20 gauge, 12½ p. c. off list.
From 20 gauge up, 12½ p. c. off list

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 27½ p. c. off list.
Sheets, hard-rolled, 2x4 18 0 20
Tubing, base, per lb. 0 21 0 22

Zinc Spelter.

Foreign, per lb. 0 05¼ 0 06
Domestic " 0 04¼ 0 05

Zinc Sheet.

5 cwt. casks 0 07¼
Part casks. 0 07½

Lead.

Imported Pig, per lb. 4 00
Domestic, per lb. 0 03¼
Bar, 1 lb. 0 05
Sheets, 2½ lbs. sq. ft., by roll. 0 05 0 05¼
Part casks. 0 04¼ 0 05
NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 25 per cent. discount.
NOTE.—Cut lengths, net price, waste pipe. in 8-ft. lengths, lists at 7½ cents.

Solder.

Bar half-and-half Per lb. Per lb.
Refined 0 13 0 13½
Wiping 0 12 0 12½
NOTE.—Prices of this graded according to quantity. The prices of other qualities or solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb. 0 10 0 11
Other makes, per lb. 0 09 0 09½

White Lead.

Pure, Assoc. guarantee, ground in oil, 25 lb. irons 5 75
No. 1 do 5 7½
No. 2 do 5 00
No. 3 do 4 62½
No. 4 do 4 25
Robertson's Chemically Pure 5 75
Munro's Select Flake White. 6 00
Elephant and Decorators' Pure. 5 75
Brandram's B. B. Genuine. 7 75
" No. 1. 7 00
James genuine. 6 95
" No. 1. 6 45

White Zinc Paint.

Elephant Snow White. 0 07
Pure White Zinc. 0 07
No. 1. 0 06½
No. 2. 0 05½

Dry White Lead.

Pure, casks. 0 04¼
Pure, kegs. 0 04¼
No. 1, casks. 0 04¼
No. 1, kegs. 0 04¼

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)
Pure, per gallon. 1 00
Second qualities, per gallon. 0 90
Barn (in bbls.) 0 70 0 90
The Sherwin-Williams Paints 1 20
Canada Paint Co's Pure 1 00 1 10
Robertson's Pure 1 00 1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)
Venetian Red, per lb. 0 05
Chrome Yellow 0 11
Golden Ochre 0 06
French " 0 05
Marine Black 0 09
" Green 0 09
Chrome 0 08
French Imperial Green 0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt. 1 35 1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt. 2 75
Yellow Ochre (Royal), per 1 10 1 15
Brussels Ochre 2 00
Venetian Red (best), per cwt. 1 80 1 90
English Oxides, per cwt. 3 00 3 25
American Oxides, per cwt. 1 75 1 90
Canadian Oxides, per cwt. 1 75 1 90

Burnt Sienna, pure, per lb. 0 10
" Umber, " 0 10
" " " 0 09
Drop Black, pure, " 0 08
Chrome Yellows, pure " 0 12
Chrome Greens, pure, per lb. 0 18
Golden Ochre " 0 03¼
Ultra marine Blue in 28-lb. boxes, per lb. 0 08 0 24
Fire Proof Mineral, per 100 lb. 1 00
Genuine Eng. Litharge, per lb. 0 07
Mortar Color, per 100 lb. 1 25
James' Gen. Red Lead, 100 lb. 0 04¼
Pure Indian Red, No. 45, lb. 0 08
Whiting, per 100 lb. 0 50

Paris Green.

Pure, in bbls. 0 16¼
250 lb. casks. 16½
50 lb. drums 17
1 lb. packages 18
½ lb. " 19½
¼ lb. " 21½
1-lb. tins. 0 18½

Sulphate of Copper.

Casks, for spraying, per lb. 0 04¼
100-lb. cases, do. per lb. 0 18½

Putty.

Bladders in bbls. 1 80
Bladders in 100 or 200 lb. kegs or bxs 1 95
Bulk in bbls., per 100. 1 65
Bulk in less quantities. 1 80
25-lb. tins, 4 in c. se. 2 05
12½-lb. tins, 8 in case. 2 30

Quotations f.o.b. Toronto—1c. per 100 lbs. extra Hamilton, London, Guelph. For quantities less than 1 c. lbs., 2½c. per lb.

Varnishes.

(In bbls.) per gal.
Carriage, No. 1 1 50
Extra do. 2 50
Body Varnish 4 50
Furniture Varnish 0 65
Extra do. 0 90
Demar Varnish 1 60
Hard Oil Finish 1 40
Orange Shellac Varnish 2 00
White Shellac 2 50
Rubbing Varnish 2 50
Polishing Varnish 2 50

Linseed Oil.

Raw, per gal. net. 0 50
Boiled, per gal. net. 0 53
Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net. 0 55
Outside points 1c. more

Castor Oil.

In cases, per lb. 0 10½
Small lots. 0 11½

Cod Oil, Etc.

Cod Oil, per gal. 0 50 0 55
Pure Olive. 1 20
" Neatsfoot. 90

Glue.

(In bbls.)
Common 0 08½ 0 09
French Medal. 0 12 0 12½
Cabinet, sheet. 0 11 0 12
White, extra 0 16 0 18
Gelatine 0 22
Strip 0 16
Coopers 0 19
Al clear. 0 09
Liquid Glue—F. LePage's, discount 20 to 25 per cent off list; Munn's, discount 25 to 30 per cent. off list.

HARDWARE.

Ammunition.

Cartridges.
R. B. Caps, Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p. Amer.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
 Central Fire Cartridges, Sporting and Military, Dom. 15 and 5 per cent.
 Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
 Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
 Shot.
 Canadian, common, 7½ per cent.
 Brass Shot Shells, 55 and 10 per cent.
 Primers, Dom., 30 per cent.

Wads. per lb
 Best thick white felt wadding, in ½-lb bags. 1 00
 Best thick brown or grey felt wads, in ½ lb. bags. 0 70
 Best thick white card wads, in boxes of 500 each, 12 and smaller gauges. 0 99
 Best thick white card wads, in boxes of 500 each, 10 gauge. 0 35
 Best thick white card wads, in boxes of 500 each, 8 gauge. 0 55
 Thin card wads, in boxes of 1,000 each, 12 and smaller gauges. 0 20
 Thin card wads, in boxes of 1,000 each, 10 gauge. 0 25
 Thin card wads in boxes of 1,000 each 8 gauge. 0 25
 Chemically prepared black edge grey cloth wads, in boxes of 250 each—
 11 and smaller gauge. 0 60
 9 and 10 gauges. 0 70
 7 and 8 gauges. 0 90
 5 and 6 gauges. 1 10
 Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
 11 and smaller gauge. 1 15
 9 and 10 gauges. 1 40
 7 and 8 gauges. 1 65
 5 and 6 gauges. 1 90

Anvils.
 Per lb. 0 10 0 12½
 Anvil and Vice combined, each. 4 50
 Wilkinson & Co.'s Anvils, lb. 09 0 09½
 Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
 Gilmour's, discount 65 p.c. off revised list.
 Hollow Stearn's, per dozen. 13 00 20 00
 Adjustable Stearn's, each. 4 50 6 50
 Post-hole, Vaughan's, each. 60 90
 Excelsior, Jennings', discount 50 per cent.

Awls.
 Sewing, per gross. 0 65 1 59
 Pegging, " 0 65 1 25
 Brad, " 0 65 1 60
 " handled, per gross. 3 60
 Saddle's, per gross. 0 45 1 60

Awl Hafts.
 Patent Peg, per gross. 7 25 8 00
 Sewing, per gross. }

Awl and Tool Sets.

Millar's Falls, per doz. 2 80 3 30
AXES.
 Splitting Axes. 5 25 5 50
 Chopping Axes—
 Single List, per doz. 6 00 12 00
 Double List, " 11 00 18 00
 Bench Axes, 40 and 10 p.c.

Axle Grease.
 Per gross. 6 00 13 00
Bath Tubs.
 Zinc, discount. 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list. Boxing extra

Anti-Friction Metal.
 "Tandem" A. per lb. 0 19
 " B. " 0 16
 " C. " 0 10½
 "Monarch" 1. " 0 21
 " 2. " 0 15
 " 3. " 0 10
 "Canadian" " 0 08½
 Magnolia Anti-Friction Metal, per lb. 0 25
 No Name Metal. 0 15
 Mystic Metal. 0 10
 F. O. B. New York or Chicago.

Bells.
 Hand.
 Brass, 60 per cent.
 Nickel, 55 per cent.

Door.
 Gongs Sargent's. 5 50 8 00
 " Peterboro', discount 50 per cent.

Cow.
 American make, discount 66½ per cent.
 Canadian, discount 45 and 50 per cent.

Farm.
 American, each. 1 25 3 00
 House. 0 35 0 40
 American, per

Bellows.
 H. per doz. 3 35 4 75
 Monarch, per doz. 7 50 10 00
 Blacksmith's, discount 60 per cent.

Belting.
 Extra, 50 per cent.
 Standard, 50 and 10 to 50, 10 and 5 per cent.
 Agricultural, 60 and 10 p.c.

Bench Stops.
 Per doz. 5 00 6 00

Rits.
 Auger.
 Gilmour's, discount 65 and 5 per cent.
 Excelsior, discount 60 per cent.
 Rockford Common, 70 to 70 and 10 per cent.
 " Perfection, 50 and 10 per cent.
 Jennings' Gen., net list to 5 p.c. discount.
 Car.

Gilmour's, 47½ to 50 per cent.

Expansive.
 Clark's 40 per cent.
 Excelsior, 10 per cent.
 Gimlet. 0 65 0 90
 Clark's, per doz. 1 00 1 50
 Diamond, Shell, per doz. 2 25 5 20
 Nail and Spike per gross

Blind Rollers.
 Annex, per doz. 1 25 1 75
 Mascott, " 1 35 1 85
 Erminie, " 1 00 0 90

Blind and Bed Staples.
 All sizes, per lb. 7¼ 0 12

Bolts.
 Carriage, dis. 63 and 10 to 70 p.c.
 Tire, dis. 70 and 5 per cent.
 Stove dis. 70 per cent.
 Elevator, dis. 45 to 40 per cent
 Machine, dis. 70 p.c.
 Coach Screws, dis. 70 and 10 p.c.
 Plough bolts, 60 p.c.

Boring Machines.
 Complete, with augers, each. 5 00 7 50

Braces.
 Barber's. 6 00 7 75
 Barber's Ratchet. 10 00 11 00
 Farmers. 2 00 2 75
 Millar's Falls. 15 50 29 00

Brackets.
 Shelf.
 Japanned Canadian, per doz. 0 50 3 40
 Berlin Bronze Canadian. 0 85 3 20

Broilers.
 Light, dis. 65 to 67½ per cent.
 Reversible, dis. 65 to 67½ per cent.
 Vegetable, per doz., dis. 37½ per cent.
 Henis, No. 8, " 6 00
 Henis, No. 9, " 7 00
 Queen City " 7 50 0 00

Butchers' Cleavers.
 German, per doz. 6 00 11 00
 American, per doz. 12 00 20 00

Building Paper, Etc.
 "Dominion Brand" Saturated Felt, per 10-lb. \$1 40
 Dry, Good Luck, per roll. 0 40
 Tarry Good Luck, per roll. 0 50
 "Shield Brand", Dry, per roll. 0 27
 " " Tarred, per roll. 0 35
 Coal Tar, per barrel. 3 75
 Pitch, per 100-lb. 0 60

Butts.
 Brass.
 Wrought Brass, dis. 17½ p.c. revised list.

Cast Iron.
 Loose Pin, dis. 70 per cent.
 Wrought Steel.
 Fast Joint, dis. 70, 10 and 5 to 75 p.c.
 Loose Pins, dis. 70, 10 and 5 to 75 p.c.
 Berlin Bronzed, dis. 70, 70 and 5 per cent.
 Gen. Bronzed, per pair. 0 40 0 65

Can Openers.
 Acme, per gross. 9 00 10 00
 Sardine Scissors, per doz. 3 75 4 50

Card.
 Horse, per doz. 0 60 1 00

Carpet Stretchers.
 American, per doz. 1 00 1 50
 Bullards, per doz. 6 50

Carpet Sweepers.
 Bissell, per doz. 22 50
 World, " 21 75
 Daisy, " 24 00
 Star. 18 00
 Crown Jewel, per doz. 29 00
 Grand Rapids. " 24 00 33 00

Cartridges.
 (See Ammunition.)

Castors.
 Red new list, dis. 55 to 57½ per cent.
 Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
 Nos 31 and 32, per gross. 8 50 50

Cement.
 Canadian, Portland. 2 50
 English. 2 85
 Belgium. 2 75
 Canadian hydraulic. 1 20

Figures are for barrel lots.

Chalk.
 Carpenters Colored, per gross. 0 45 0 75
 White lump, per cwt. 0 60 0 65
 Red. 0 05 0 06
 Crayon, per gross. 0 14 0 18

Chisels.
 Socket, Framing and Firmer.
 American, dis. 75 per cent.
 Canadian, dis. 40 and 5 per cent.
 Tanged firmer, per doz. 0 85 4 00

Churns.
 Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.

Clamps.
 Tudd's, dis. 20 per cent.
 Stearn's, per doz. 3 00 10 00

Clips.
 Axle dis. 65 per cent.

Closets.
 Washout, plain. 3 25
 " embossed. 3 50

Coffee Mills.
 Box. 3 60 13 00
 Side. 3 60 4 00
 Enterprise, No. 0. 1 35
 No. 2. 70

Compasses, Dividers, Etc.
 American, dis. 62½ to 65 per cent

Cradles, Grain.
 Canadian, dis. 20 per cent.

Dies.
 Hart Mfg. Co. (pipe es), (Amer. list), dis 40 per cent.
 Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
 Torrey's Rod, per doz. (15 p.c.) 2 00
 Coil, per doz. 0 88 1 60
 English per doz. 2 00 4 00

Draw Knives.
 American, dis. 70 and 10 per cent.
 Canadian, dis. 25, 50 and 10 per cent.

Drills.
 Hand and Breast
 Millar Falls, per doz. 16 00 51 50
 P. S. & W., dis. 40 per cent.

DRILL BIT.
 Morse, dis. 37½ to 40 per cent.
 Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
 Stovepipe.
 Per doz. 85 1 70

FAWCETS.
 Cork Lined, per doz. 0 30 0 35
 Wine, per doz. 1 30 3 25
 Star. 2 80 3 90
 Ferns Corkstope, No. 2, per dozen. 1 70
 Petroleum, per doz. 4 50 6 50

FILES.
 Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
 Black Diamond, 50 and 10 to 60 per cent.
 Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
 Nicholson File Co., 50 and 10 to 60 per cent.
 Jowitt's, English list, 25 to 27½ per cent.
 American, 60 to 60 and 5 per cent.
 Great Western, 60 and 10 per cent.
 Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 7½ per cent.

FLUTING MACHINES.
 Each. 0 60 2 00

FORKS.
 Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS.
 Ice Cream.
 Gem from \$1.25 to \$7 net.
 White Mountain, 1 to 25 qt. 1 35 13 50
 Arctic, dis. 50 p.c.

FRUIT PRESSES.
 Henis', per doz. 3 25 3 50
 Shepard's Queen City, dis. 15 per cent.

FRY PANS.
 Acme, dis. 65 to 67½ per cent.

GAUGES.
 Marking, Mortise, Etc.
 Stanley's, dis. 50 to 55 per cent.

Wire Gauges.
 Winn's, Nos. 26 to 33, each. 1 65 2 40

GLASS.
 Window.
 Box Price.

Star.
 Size United Inches. Per 50 ft. Per 100 ft. Per 100 ft.
 Under 25. 1 80 3 40 5 25
 26 to 40. 1 95 3 70 5 75
 41 to 50. 4 10 6 50
 51 to 60. 4 40 7 75
 61 to 70. 4 70 8 50
 71 to 80. 5 10 9 50
 81 to 85. 5 70 10 50
 86 to 90. 6 70 12 75
 91 to 95. 14 50
 96 to 100. 16 50
 101 to 105. 18 50
 106 to 110. 22 50

GLUE POTS.
 Tinned, each. 0 30
 Enamelled each. 0 55

GRINDSTONE FIXTURES.
 Per doz. 3 60 4 00

HALTERS.
 Rone ¾ per gross. 8 25 8 50
 " ½ " 9 25 9 50
 " ¼ " 11 00 11 25
 Leather, 1 in. per doz. 3 87½ 4 00
 Web, — per doz. 5 15 5 25
 1 87 2 40

HAMMERS.
 Nail
 Maydole's, dis. 5 to 10 per cent. Can., dis 25 to 27½ per cent.

Tack.
 Magnetic per doz. 1 10 1 20
 Sledge. 0 07½ 0 08½
 Canadian, per lb. 0 07½ 0 08½
 Ball Peen.
 English and Can., per lb. 0 22 25

HANDLES.
 Axe, per doz., net. 1 50 2 00
 Store door, per doz. 1 00 1 50
 Chest, per doz. pairs. 0 40 2 50

Chisel.
 Firmer, per gross. 3 00 4 50
 Socket Firmer, per gross. 3 25 8 00
 Socket Framing, per gross. 3 75 5 00

Fork.
 C. & B., dis. 45 per cent. rev. list.

Hoe.
 C. & B., dis. 45 per cent. rev. list.

Saw.
 American, per doz. 1 00 1 25

Plane.
 American, per gross. 3 15

Hammer and Hatchet.
 Canadian, 45 per cent.
 Cross-Cut Saw.
 Canadian, per pair. 0 13½ 0 20

HANGERS.
 Door, 4 and 5 inch, per pair. 0 40 0 50
 Lanes, 62½ per cent.

HATCHETS.
 Canadian, dis. 40 to 42½ per cent

HINGES.
 Blind, Parker's, dis. 60 and 10 to 65 per cent
 " Shepard's Noiseless, dis. 60 per cent
 " Buffalo, dis. 60 to 70 p. c.
 Light T and strap, 70 and 10 p.c.
 Heavy, per lb. 0 03½ 0 04½
 Screw hook and hinge. 3 15
 6 to 12 in., per 100 lbs. 2 35
 14 in. up, per 100 lbs. Per doz. set
 Screw Eureka. 1 13 1 80
 Gate, Clark's. 1 50 2 20
 " Shepard's, dis. 50 to 60 per cent.

Per doz. pair
 Spring. 9 50
 " Shepard's Samson. 1 20

HOES.
 Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
 Planter, per doz. 4 00

HOOKS.
 Cast Iron.
 Bird Cage, per doz. 0 50 1 10
 Clothes Line, per doz. 0 27 0 63
 Harness, per doz. 0 72 0 88
 Hat and Coat, per gross. 1 00 3 00
 Chandelier, per doz. 0 50 1 00

Wrought Iron.
 Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
 Hat and coat, dis. 60 to 60 and 10 p.c.
 Belt, per 1,000. 0 60 0 70
 Screw, bright, dis. 65 and 10 per cent

HORSE NAILS.
 "P. B.", dis. 50 p.c.
 "C" brand, 50 p.c. dis. } Oval head.
 "M" brand 50 p.c.
 Acadian, 50 and 20 p.c., countersunk head.

HORSE SHOES.
 F.O.B. F.O.B.
 Iron Shoes. Montreal Toronto*

Light, medium, and heavy. 3 15 3 25
 Snow shoes. 3 40 3 50
 Steel Shoes.

Light, all sizes. 3 35 3 45
 Extra light. 4 50 4 60
 Toe weight (steel). 5 50 5 60

*Also Hamilton, London, Guelph, St. John Halifax.

ICE PICKS.
 Star, per doz. 3 00 3 25

KETTLES.
 Brass spun, 7½ p.c. dis. off new list.
 Copper, per lb. 0 30 35
 American, 60 and 10 to 65 and 5 p.c.

KEYS.
 Lock, Can., dis. 50 p.c.
 Cabinet, trunk, and padlock, Am. per gross. 1 80

KNOBS.
 Door, japanned and N.P., per doz. 0 90
 Bronze, Berlin, per doz. 2 75 3 25
 Bronze Genuine, " 6 00 9 00
 Shutter, porcelain, F. & L. screw per gross. 1 30 4 00

KNIVES.
 Clauss, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.
 Christie, bread, cake, and paring knives, \$7.00 doz. sets with 10 p.c. off.
 Hay knives, spear point, L or T handle, 60 10 and 5 per cent.
 Lightning, per doz. 6 50 8 40
 Heath's, \$7.75 net.

LADIES.
 Melting, per doz. 1 70 4 50

LEMON SQUEEZERS.
 Porcelain lined, per doz. 2 20 5 60
 Galvanized, " 1 87 3 85
 King, wood, " 2 75 2 90

King, glass, "	4 00	4 50
All glass	1 20	1 30
LINES.		
Fish, per gross	1 05	2 50
Chalk	1 90	7 40

LOCKS.		
Canadian, dis. 50 p.c.		
Kussell & Erwin, per doz....	1 75	7 50
Cabinet.		
Eagle, dis. 30 p.c.		
Padlock.		
English and Am., per doz....	50	6 00
Scandinavian, "	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.		
Iron and Brass.		
Flat head, discount 25 p.c.		
Round Head, discount 20 p.c.		

MAILETS.		
Finemiths', per doz.	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vita, per doz.	3 85	5 00
Caulking, each	1 60	2 00

MATTOCKS.		
Canadian, per doz.	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.		
American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.		
American, per doz.	0 42	2 35

MOLASSES GATES.		
Stebbin's Patent, dis. pre cent., 77½ per cent.		

NAILS.		
Quotations are:	Cut.	Wire.
2d. and 3d.	\$2 75	\$2 75
3d.	2 40	2 41
4 and 5d.	2 15	2 15
6 and 7d.	2 05	2 05
8 and 9d.	1 90	1 90
10 and 12d.	1 85	1 85
16 and 20d.	1 80	1 80
30, 40, 50 and 60d. (base)....	1 75	1 75
Steel Cut Nails 10c. extra.		
Brads and finishing nails, special sizes, 80 p.c. from new list.		

NAIL PULLERS.		
German and American....	1 85	3 50

NAIL SETS.		
Square, round, and octagon,		
per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.		
Poultry, 67½ per cent. for imported,		
55 per cent. for McMullen's.		

OIL.		
Canada refined oil (Toronto)....	0 14	
Carbon safety "	0 16½	
American w. w.	0 17½	
Pratt's Astral.	0 17	

OILERS.		
McClary's Model galvan. oil		
can, with pump, 5 gal.,		
per doz.	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.	1 25	3 50
Brass, "	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.		
Galvanized, per doz.	1 85	3 00

PENCILS.		
Wixon's, per gross.	1 00	4 25
Carpenter "	2 25	3 60

PICKS.		
Per doz.	6 00	9 00

PICTURE NAILS.		
Porcelain head, per gross....	1 40	3 00
Brass head, "	0 40	1 00

PIPE CUTTING MACHINERY		
Forbes Patent Die Stocks.—Curtis & Curtis,		
Mrs. Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to		
2 in. R. & L.	\$ 50 00	
No. 38 Hand Machine, range 1½		
to 4 "	100 00	
No. 56 Hand Machine, range 2½		
to 6 "	175 00	

PLANES.		
Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.		
Wood, fancy Canadian or American, 37½		
to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.		
Miscellaneous, dis. 25 to 27½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.		
English, per doz.	2 00	5

PLIERS AND NIPPERS.		
Button's Genuine, per doz pairs, dis. 37½		
40 p.c.		
Button's Imitation, per doz.	5 00	9 00
German, per doz.	0 60	2 60

PLUMBS AND LEVELS.		
S.R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		

POPPERS.		
Corn, square, per doz.	1 35	2 00

PRUNING SHEARS.		
Per doz.	4 00	5 50

PULLEYS.		
Hothouse, per doz.	0 55	1 00
Axle "	0 22	0 33
Screw "	0 27	1 00
Awning.	0 35	2 50

PUMPS.		
Canadian cistern	1 40	2 25
Canadian pitcher spout....	1 15	2 00

PUNCHES.		
Saddlers', per doz.	1 00	1 85
Conductors, "	9 00	15 00
Tinners' solid, per set.	0 00	0 72
" hollow, per inch.	0 00	1 00

RAIL.		
Barn door, per foot.	0 02½	0 02½
Sliding door, "	0 03½	0 03½
Lanes, "	0 02½	

RAKES.		
Cast steel and malleable Canadian, list dis.		
60 to 60, 10 and 5 p.c. revised list.		
Wood, 25 per cent.		

RASPS AND HORSE RASPS.		
New Nicholson horse rasp, discount 60 p.c.		
Globe File Co.'s rasps, 60 and 10 to 70 p.c.		
Toronto File Co.'s rasps, 60 and 10 to 70 p.c.		
Heller's Horse rasps, 50 to 50 and 5 p.c.		

RAZORS.		
Geo. Butler & Co.'s, per doz.	8 00	18 00
Bokers', "	7 50	11 00
Wade & Butcher's, "	3 60	10
Arbenz's, "	9 00	18
Theile & Quack's, "	7 00	12

RAZOR STROPS.		
Currier's, per doz.	1 25	3 60

RIVETS AND BURRS.		
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Carriage, Section, Wagon Box Rivets, etc.,		
(Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc.,		
(Norway Iron), 80 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and		
p.c.		
Copper Rivets & Burrs, 45 p.c. dis.		
" in ½-lb. boxes and		
cartoons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.		
Canadian, dis. 35 to 37½ per cent.		

ROPE, ETC.		
7-16 in. and larger, per lb. 10½	Sisal.	Manilla
¾ in.	11	11½
½ and 5-16 in.	11½	12
Cotton	13	13
Russia Deep Sea	14½	
Jute	6¾	7½
Lath Yarn	8½	
New Zealand Rope.	9½	

ROLES.		
Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.		
Mrs. Potts, per set.	0 62½	1 00
N.P., per set.	90	

SAD HEATERS.		
Dome, Shepard's, per doz.	4 75	5 00

SAND AND EMERY PAPER.		
Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.		

SASH CORD.		
Per lb.	0 20	0 50

SASH LOCKS.		
Triumph and Morris, dis. 37½, 40 per cent.		
Kempbell's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.		
Sectional, per 100 lbs.	1 40	1 75
Solid, "	1 25	

SAWS.		
Crosscut, McMillan & Haynes,		
per dozen	0 40	0 70
'Empire,' McMillan & Haynes,		
per ft.	0 70	
Hand, Disston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Disston's, per ft.	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.	0 75	2 75
" frame only.	0 75	

SAW SETS.		
"Lincoln," McMillan &		
Haynes, per doz.	6 00	7 50
Whiting, "	5 63	7 00

SCALES.		
Gurney Scales, 50 p.c.		
B. S. & M. Scales, 50 p.c.		
Champion, 60 per cent.		
Fairbanks Standard, 45 p.c.		
" Dominion, 60 p.c.		
Richellen, 60 p.c.		
Chatillon Spring Balances 25 p.c.		

SCRAPERS.		
Box, per doz.	2 10	4 50
Boot, "	0 40	3 50

SCREENS.		
Door, patent, per doz.	6 50	11 00
Window, per doz.	2 00	2 75

SCREW DRIVERS.		
Sargent's, per doz.	65	90

SCREWS.		
Wood, F. H., iron, and steel, dis. 87½ p.c.		
Wood, R. H., " dis. 80 p.c.		
" F. H., brass, dis. 82½ p.c.		
Wood, R. H., " dis. 75 p.c.		
Drive Screws, 87½ per cent.		
Bench, wood, per doz.	3 25	4 00
iron, "	4 25	5 75

SCYTHES.		
Discount, per doz. net.	4 50	6 00

SCYTHE SNATHS.		
Canadian, dis. 50 p.c.		

SHEARS.		
B. & W., japanned, dis. 75 p.c.		
B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 60 p.c.		
Etna, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
" N.P., dis. 70 p.c.		
Clauss, full nickel, 60 p.c.		
" japanned handles, 67½ p.c. off.		
Seymour or Heinisch tailor shears, 15 p.c.		

SHEAVES.		
Sliding door, per set.	0 77	1 40

SHOVELS AND SPADES.		
Canadian, dis. 40 and 10 to 45 and 2½ p.c.		

SIEVES.		
Wood rim, black, per doz.	1 05	1 10
" tinned, "	1 25	1 35
Tin rim, per doz.	2 30	2 45
" black.	1 85	2 25

SNAPS.		
Harness, German, dis. 35 to 37½ p.c.		
Acme "	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.		
Per lb.	0 25	

WROUGHT SPIKES.		
Discount, 35 to 40 per cent.		

SPOKE SHAVES.		
Wood, English	1 80	5 00
Iron, American.	1 35	2 35

SPOONS AND FORKS.		
Tea spoons, per gross	7 50	12 00
Dessert, "	21 00	00 00
Table, "	30 00	30 00
Dessert Forks, "	24 00	00 00
Medium "	27 00	00 00
Table "	36 00	00 00

SQUARES.		
Iron, per doz.	1 65	2 90
Steel, dis. 70 per cent, revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAPLES.		
Galvanized	2 00	
Bright.	1 00	

STEP LADDERS.
BOECKH BROS. & COMPANY.
 Best grade, from 3 to 10-ft. long, per foot, 16c
 2nd grade, 3 to 10-ft., per foot, 10c.

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays

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HARDWARE AND METAL, Toronto

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The Queen of Polishes.

Imparts instantaneously a dazzling and lasting

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to Brass, Tin, Nickle, Zinc, Gold, Silver, etc. Free from grit or emery, and will not scratch the finest surface.

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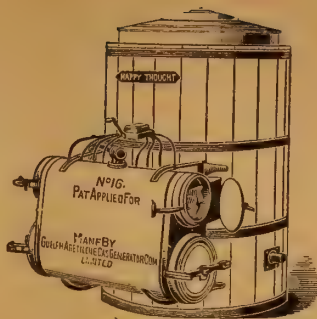
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Perfect Light

Perfect Safety

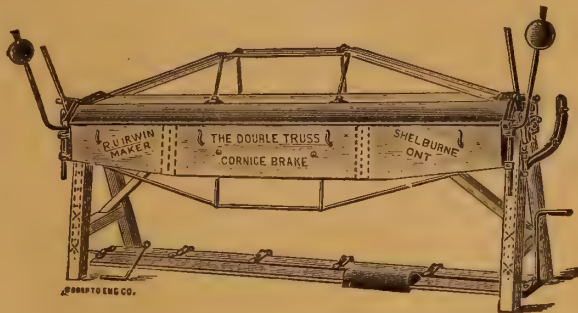
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Sold only through the local Hardware and Plumbing Trades, etc.

No Peddling.

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This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, \$50

Very handy bender attachment, \$10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. SHELBURNE, ONT.

It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

FULL LINE OF

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THE GURNEY SCALE CO., - Hamilton, Ont.

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Agent for Montreal and Eastern Provinces.



ACETYLENE GAS THE COMING LIGHT

The

Cliff-Wardlaw Generator

is the only absolutely Automatic Gas Machine in the market. It is safe, clean, economical, easy to operate, never heats nor allows the burners to clog. Manufactured only by

THE SAFETY LIGHT & HEAT CO.

Write for one of their booklets.

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PHILADELPHIA

Twelve

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Awarded
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Special Prize

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HAVE YOU TRIED IT ?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM
HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE CUTTA PERCHA AND RUBBER MFG. CO.
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61-63 FRONT ST. WEST, TORONTO.

Ready-Mixed Paints (Machine-Made)

VERSUS

Hand-Mixed



The day for Hand Mixed Paints is now a thing of the past. Painters, both amateur and professional, have come to the unanimous conclusion that "Ready-Mixed" certainly are the best—but bear in mind that there are many brands of Ready Mixed Paints and only one of them that can be relied upon in every instance—that one is **ROBERTSON'S**. See that that's the kind you always have in stock.

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Sterling Value
Langwell's Babbitt
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CANADIAN

HARDWARE

AND METAL
MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X.

MONTREAL AND TORONTO, NOVEMBER 26, 1898.

NO. 48



Magnolia Metal

Best Anti-Friction Metal for
all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamped
on the under side of
each bar.



MAGNOLIA METAL COMPANY

LONDON OFFICE—40 Queen Victoria St.
CHICAGO OFFICE—Traders' Building.
MONTREAL—Caverhill, Learmont & Co.
General Dominion Agents.

Owners and Sole Manufacturers,
266 and 267 West St., New York

Poultry Netting.

Our Galvanized Wire Netting occupies the same position in its sphere that our Galvanized Iron does—it's the best.

Carefully woven, perfectly galvanized, full weight, length and width, and low in price.

When buying from your jobber specify "Lysaght's," and you will be safe.

JOHN LYSAGHT, Limited
BRISTOL and MONTREAL

Makers of
"QUEEN'S HEAD"
GALVANIZED IRON.

CANADA'S BEST RADIATORS

Safford For
Steam
or
Water

Prompt Shipments from Stock.

PRICES LOW

Quality Unequalled

Guaranteed to Stand 140 lbs.



Dominion Radiator Company

Formerly
The Toronto Radiator Company.

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TORONTO, ONTARIO.

RICE LEWIS & SON

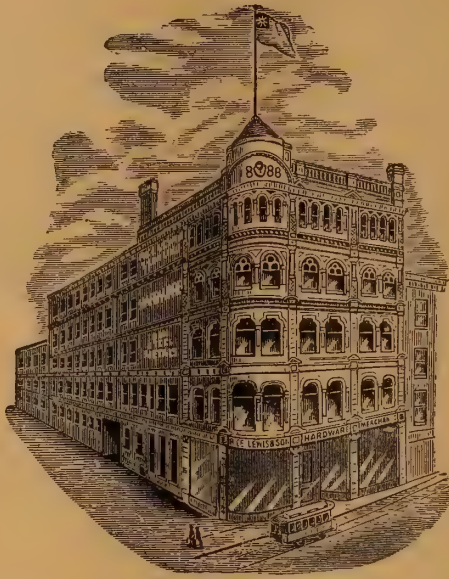
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TILES
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FINE BUILDERS' HARDWARE.

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Anything in....

Copper

THE range of our product is from the smallest article possible to make to the largest work ever used or required.

COPPER WORK

made to any desired specification or design.

We have always on hand a large stock of

Sheet Copper and
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CORRESPONDENCE SOLICITED

THE BOOTH COPPER CO.
Limited.

TORONTO



NO. 1584 ICE PITCHER.

NEW DESIGNS

In Sterling Silver and Electro Silver Plate.

See what we have to offer before placing your orders elsewhere.

The Toronto Silver Plate Co., Limited

Factories and Salesrooms, King St. West, TORONTO, Canada.

E. G. GOODERHAM, Manager and Sec.-Treas.

Established 1825

Important Decision relating to the

Established 1825

HEINISCH

TRADE-NAME ON SHEARS, TRIMMERS, Etc.



The U.S. Circuit Court, Southern District of New York, Judge Townsend, has rendered a decision in the suit of "R. Heinisch's Sons Co. vs. Hermann Boker & Co."

"The Complainant is entitled to an accounting, and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc. and otherwise, in any way which will interfere with Complainant's enjoyment of the benefits of its Trade-name."

Referring to the above decision, we would respectfully state our determination to protect our rights in the premises and warn all persons against any imitation of our Trade-name

R. HEINISCH'S SONS CO.,

N.Y. OFFICE, 90 Chambers St.

NEWARK, N.J., U.S.A.

COLDBROOK IRON AND STEEL CO.

Limited

Manufacturers of
all kinds of**BAR IRON.****GORDON WIRE AND WIRE NAIL WORKS.**

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

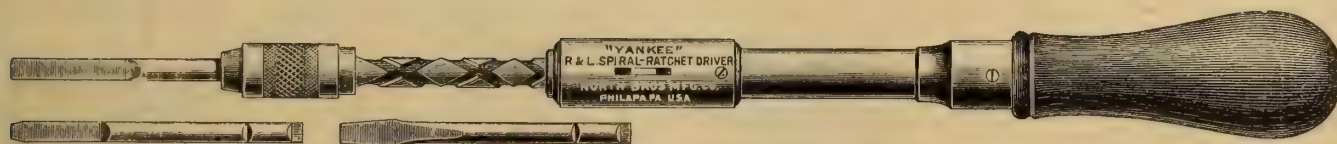
Our Phoenix Red Sheet Packing

is not affected by oils, ammonia, liquors, steam, heat, or alkalies. It conforms to rough surfaces. It makes a perfectly tight joint. It retains its elasticity under any condition.



THE CANADIAN RUBBER CO.
Manufacturers of RUBBER GOODS of all descriptions.
Factories: **MONTREAL**
Branches: **Toronto and Winnipeg.**
CAPITAL, \$1,500,000.

OTHER TOOLS ARE VERY GOOD TOOLS, BUT

"YANKEE" TOOLS ARE BETTER**SPIRAL-RATCHET SCREW DRIVER.****RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.**

Sold in Canada by _____

CAVERHILL, LEARMONT & CO.	-	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	-	"
LEWIS BROS. & CO.	-	-	-	"
SEYBOLD, SONS & CO.	-	-	-	"
RICE LEWIS & SON, Limited	-	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	-	LONDON
HOBBS HARDWARE CO.	-	-	-	"
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Descriptive Circulars will be mailed on application.

North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.

"Crescent" Steel Agate Ware.



GENUINE MOTTLED GRAY COLOR.

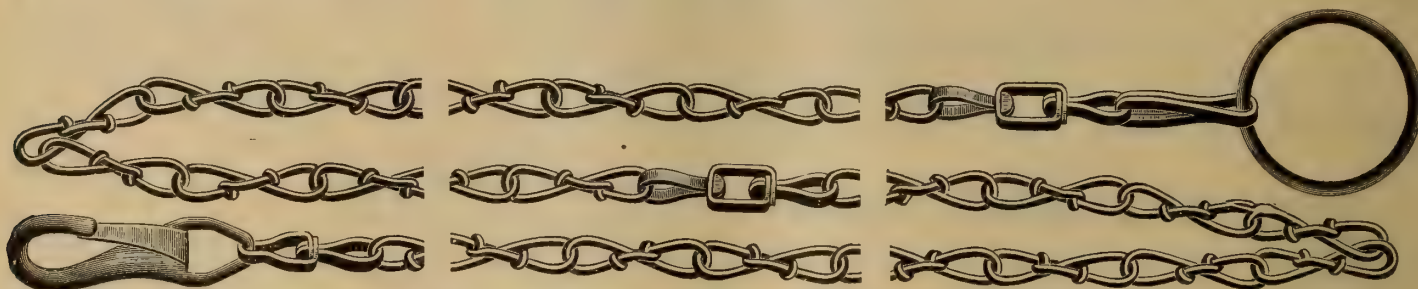
"Premier"—a very attractive pale blue.
White, and White Decorated.

Every article guaranteed not to chip or burn.

The THOS. DAVIDSON MFG. CO., Limited, Montreal

Oneida Steel Wire Tie-Out.

For tethering cattle in fenceless pastures.
Made in all sizes.



No Rivets. No Malleable Iron. ALL BESSEMER STEEL.
Made in 20, 30 and 50 ft. lengths.

ONEIDA COMMUNITY, Limited

NIAGARA FALLS, ONT.

The fibre is long
and strong

**BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE**

Eddy's Wrapping Papers

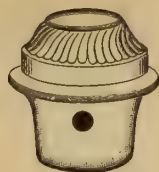
The E. B. EDDY CO., Limited

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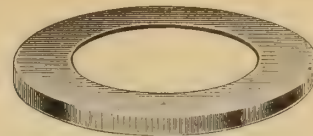
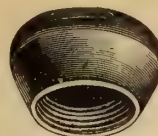
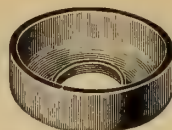
The paper stands
wear and tear



Stove Trimmings

*In BRASS, NICKEL
and BRONZE.*

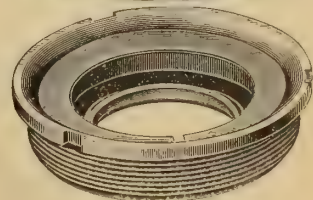
All orders promptly and carefully
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Sheet Steel Bicycle Fittings

*OF ALL
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Estimates furnished from Blue Prints,
Drawings or Samples.



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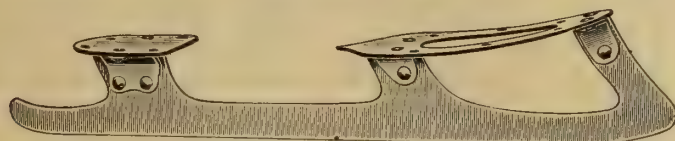
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The Celebrated "WINSLOW" Hockey Skate.

Skate Sharpeners.

BEST IN THE WORLD.

Will outlast any skate but the
"Winslow."



Our **HOCKEY SKATES** have been adopted by the Hockey Club of St. Nicholas Rink, New York City, and are conceded by experts to be **THE BEST.**

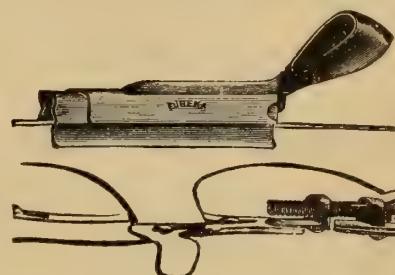
THE BRACKETS will not break. We warrant every pair.

The Samuel Winslow Skate Mfg. Co.

Catalogues sent free on application.

WORCESTER, MASS.

A full assortment adapted to Canadian trade carried by Caverhill,
Learmont & Co., Montreal



IRON

Band, Hoop and Rod.

Black and Tinned Sheets.

Galvanized---"Gordon Crown" and "Falcon."

Russia, Genuine and Imitation.

STEEL

Common and Dead Flat Sheets.

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin

164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

CAN YOU AFFORD

to carry in stock unknown brands of stove polish that your customers know nothing about, brands they do not call for, the quality of which is inferior, gives them dissatisfaction, and the consequent sale of which brings discredit to your store? Your best judgment answers NO! Then sell

Enameline

THE MODERN
STOVE POLISH
PASTE, CAKE OR LIQUID

If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

HUSTLERS FOR THE CHRISTMAS TRADE

Articles that will bring you customers and retain them.

Kemp's Royal Tea Kettles

Made with Pit and Body in One Piece. A Strong and Durable Kettle. Supplied in All Copper, or All Copper Heavily Nickel Plated.

Climax Hot Water Kettles

For Base Burners or Table Use. All Copper, Nickel Plated, with Embossed Ornamental Snowshoe Band Around Bodies. Also supplied with Plain Bodies.

Royal Nickel Plated Tea and Coffee Pots

All Copper, Heavily Nickeled. Supplied in four sizes.

Each of these articles is wrapped and put up separately in a cardboard box.



White Enameled Tea Pots

With Fancy Nickel Plated Handles. Nickel Plated Copper Covers and Bowl Bottoms. Highly Decorated.

Kemp Manufacturing Co. - Toronto, Canada.



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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

**HOLIDAY TRADE IN THE HARDWARE
STORE.**

WE have in previous issues referred to the advisability of retail hardwaremen putting forth greater efforts to attract Christmas holiday trade to their stores, and we are persuaded that if they do so a decided advantage will accrue as a result thereof.

It is not the staple goods that people are eager to buy during the Christmas season. As a rule, it is novelties they want.

Of course, there are a great many novelties which appertain to the grocery, dry goods and drug trades. These, the retail hardwareman could not be expected to stock. It would scarcely be just.

But there are a good many articles to be found in departmental stores which the hardwareman does not carry, but which would even be more compatible to his line of business than to those enumerated.

A tour of the wholesale houses that make a specialty of novelties for the Christmas holiday trade would enable the hardwareman to select a stock.

Window displays are one of the chief necessities of the Christmas season. People are looking for them, and the window that has not been dressed with such novelties as are then abounding is, of course, ignored.

A display which attracts a crowd is not always a display that sells goods. We have seen schemes tried which, while they attract people, did nothing for the goods in the store, simply because the schemes had no connection with them whatever.

The attractiveness should be the goods themselves, and in the Christmas novelties which a hardwareman can carry there is no dearth of articles for successful employment in this respect.

Interest your clerks in the matter. Set their ideas going, as well as your own.

A SCREW MAKERS' AGREEMENT.

Wood screw manufacturing in the United States has been in an unsatisfactory condition for some time. Profits, owing to the keenness of competition, have been badly cut into.

A better condition of affairs is now likely to exist, for the manufacturers have come together and agreed upon a new list and new discounts.

On flat-head iron screws the discount is 87½ per cent.; on round and oval-head, 85 per cent.; on flat-head brass, 85 per cent.

There are 12 manufacturers concerned.

ANOTHER BLAST FURNACE.

A morning paper is out with a statement to the effect that The Rogers, Brown Co., the well-known pig iron manufacturers of the United States, are forming a joint stock company, with a capital of \$400,000, for the purpose of starting a blast furnace in Canada, probably in Toronto, with a capacity of 250 tons per day.

Readers of *HARDWARE AND METAL* will probably remember that this paper, some months ago, intimated that the starting of another blast furnace in Ontario was likely. The projectors of the concern were The Rogers, Brown Co., but, for reasons which it is not necessary to here state, names were withheld from publication.

**BRIGHT STORES MAKE BRIGHT
TOWNS.**

Every merchant ought to devote some of his energies to the upbuilding of his town, as well as to the making of his business.

Just as the store is the reflection of the merchant, so the town is the reflection of the merchants who are in it.

If they are lethargic, their town will be ; if they have no ambition, neither will their town ; if they are behind the times, so will their town be.

Merchants should make their stores bright, should carry good stocks, should advertise, not only that customers may be brought to their stores, but in order that the town may have attractions for people in the surrounding country.

Bright stores make bright towns, and bright towns tend to keep people from going to the departmental stores in the big cities.

Keep your stores bright ; advertise.

EVIL OF THE SHOVEL COMBINATION.

FROM an article printed in another column, it will be seen The Winnipeg Tribune has joined **HARDWARE AND METAL** in the crusade against the spade and shovel combination, and is urging the Government to come to the relief of the trade and of the farmers by taking advantage of the provisions of the Tariff Act and placing spades and shovels on the free list.

Briefly, the Tariff Act provides that when the Governor-in-Council has reason to believe that a combination exists for the purpose of unduly enhancing the price of an article, or in any other way unduly promoting the advantage of the manufacturers or dealers at the expense of the consumers, the Governor-in-Council may commission any judge of the Superior court or Exchequer court to inquire, in a summary way, into the matter.

Should the report of the judge declare such combination does exist, then the Act stipulates that the Governor-in-Council shall place the article manufactured by such combine on the free list.

It will be noticed that, when it is charged that a combine does exist, the Government may institute an inquiry, but that, when, after such inquiry has been made, it is found that it does exist, it is declared that the Governor-in-Council shall place "such article on the free list."

The only difficulty there may be about this law is in determining, in all cases, what is meant by to "enhance the price of such article, or in any way to unduly promote the advantage of the manufacturers or dealers."

But there ought to be no difficulty in establishing it in the case of the spade and shovel combination.

That combination, in spite of the protection of 35 per cent. it enjoys, has, by bribing the spade and shovel combination in the United States, got the hardware dealer in Canada by the throat, and, in effect, says to him: "Take our spades, shovels, and furnace and grain scoops, or take nothing."

It is true that it sees to it that the jobber is remunerated for the ink and time used in making out his invoices to the retail trade, for it gives him the handsome rebate of 5 per cent. at the end of a stated period,

provided he has been good and maintained the prices fixed and laid down by the extraordinary and wonderfully-made combination which the spade and shovel combination has set up.

HARDWARE AND METAL has never disapproved of agreements between manufacturers for the purpose of remedying trade evils and stopping foolish and reckless cutting of prices. In fact, it has time and again encouraged it. But an agreement such as this paper has favored and that which the spade and shovel manufacturers in Canada have set up are as unlike as dromedaries and elephants.

It is a serious thing to urge the Government to take a step which might result in the crippling, and, perhaps, even the wiping out, of an industry in the country. But the good that the spade and shovel industry does as it exists to-day, is discounted ten times over by the evil business methods which it employs.

England is wedded to a monarchical form of government, but it once chopped off the head of a monarch because his method of ruling was evil and not good. And it may be necessary to decapitate, by the Tariff Act, the head of the spade and shovel combination in Canada, because its business ways are evil, and not good.

EXTRAORDINARY STOVE SEASON.

WHILE the time is now at hand when the busy season closes for the stove and furnace manufacturers, it looks as though this year it was going to be deferred for some time.

Late as the season is, manufacturers simply cannot keep up with orders.

This has undoubtedly been one of the most extraordinary seasons the stove and furnace manufacturers in Canada have ever experienced.

Away back in the summer the demand began to set in, and it became so active, that at least some of the factories could not shut down their moulding shops for the usual August repairs. But, in spite of this, they were never able to keep up with their orders. And to day, when the season is supposed to be nearly over, as far as the manufacturers

are concerned, orders are still far enough ahead to worry them.

The show-rooms are now scarcely worthy of the name, some of them having been so depleted as a result of the efforts to supply the demand.

METAL VALUES IRREGULAR.

THE course of values in heavy metals during the past fortnight has not exhibited the same regularity and strength as it was distinguished by during the previous week. But it is not at all surprising that there should have been some reaction, considering the marked appreciation that there has been in values in the last month and a half.

The greatest irregularity has been recorded in tin and spelter, which have shown a receding tendency since Nov. 10. For instance, spot tin was quoted in London on that date at £83 15s., but was cabled on Monday of this week at £81, a decline of £3 15s. the ton.

It is still £1 the ton higher, however, despite this decline, than it was in the last week of October. In New York, Straits tin, according to figures compiled by W. J. Russell & Co., 66 Maiden Lane, declined from the 9th to the 21st of November 50c. per 100 lb., and it was quoted at \$17.95 on Monday in New York, and stands lower in that market to-day than it did at the beginning of the present month.

Spelter has ruled fairly steady in New York for the past fortnight between \$5.30 and \$5.35, but in London it declined steadily from £24 15s. to £24 2s. 6d., at which figure it was cabled on Monday.

Lead is 5c. lower in New York than it was twelve days ago, being quoted at \$3.70, but, in London, after first showing a downward tendency, it commenced to advance, and has scored a rise of 5s. the ton on the low figure of the fortnight, the London quotation on Monday being £13 10s.

Copper in London has also shown an upward disposition, for, after dropping to £55 12s., it has risen to £56 11s. 3d., a gain of 3s. 9d. on its figure of two weeks ago.

Pig iron warrants in Great Britain have also recorded both advance and decline in the same interval, but the net result of the fluctuation is a gain of 16s.

IS THE UNITED STATES INCONSISTENT?

THE decision of the United States to apply their navigation laws to Porto Rico and Hawaii is naturally not being received with complacency by the Canadian and British people.

Before President McKinley saw fit to apply these laws to the newly acquired territory, a Canadian, a British, or a vessel of any other nationality, could carry merchandise from Porto Rico, Hawaii, or any other foreign country, to any port in the United States, or vice versa.

Now, this carrying trade is reserved only to vessels carrying the United States flag.

Canada's interests are practically confined to the shipping laws as far as they apply to Porto Rico. The extent to which Canadian vessels have shared in the shipping trade between Porto Rico and other Spanish West India ports and the United States we have no means at the moment of ascertaining. But we are told that the Canadian Commissioners at Washington feel that a blow has been struck at a Canadian industry.

Of course, the United States have a perfect right to apply their navigation laws to their newly acquired possessions. No one would be foolish enough to deny that. But it scarcely seems the proper thing for them to do nevertheless.

When Great Britain declared for the open-door policy in China, Uncle Sam approvingly patted Britannia on the back and confessed that she had his sympathy.

And, then, when John Bull rolled up his sleeves and told the European powers to stand off and allow Uncle Sam and the Spanish Don to fight it out, the people of the United States threw up their hats, sang "God Save the Queen," and intertwined the Stars and Stripes and the Union Jack.

But this did not cost dollars. To allow British vessels to carry merchandise from ports in the United States to ports in the latter's colonial possessions would.

The shipping industry of the United States is not a thriving one. It has been spoon-fed and pampered, but still it is a poor, delicate infant. And now it is to be fed with a little more of the same kind of food that has been its regular diet for some years.

As far as the Customs tariff which has

been formulated for Porto Rico is concerned, it will probably be found to be more favorable to Canadian and British products than was the tariff under the regime of Spain. At least, that seems to be the opinion.

Then, as the tariff favors United States products instead of, as before, Spanish products, it is also probable that some advantage may accrue to Canada, seeing that the products of the Dominion and of the United States are analogous in many respects.

At present, the United States do not enjoy a large share of the trade of the newly-conquered territories.

The total foreign trade of the Philippines is \$30,806,250, but only 16.7 per cent. is with the United States; the total foreign trade of Cuba is \$160,562,200, out of which the United States shares 29.6 per cent., while, of Porto Rico's \$30,784,550, only 10.8 per cent. falls to the United States.

It is but natural the United States should desire to secure a larger share of the trade of these places, particularly now that they are under the Stars and Stripes, and they probably think that, by applying the exclusive navigation laws, they will secure the desideratum, but it would be a little more consistent if they would practise in regard to their own colonies what they held to be sound doctrine in regard to China. They would thus, at least, be saved from being charged with inconsistency, to say nothing of ingratitude, and from having their colonial policy likened unto that of France and Russia. Sauce for the goose should be sauce for the gander.

Of course, Cuba and the Philippine Islands are not yet a part of the United States, and the tariff and navigation laws which are to apply to them have yet to be announced.

Promissory notes are sometimes notes of alarm.

THE COW CHAIN TRADE.

The demand being experienced this season for cow chains and rope ties is decidedly brisk. In the opinion of the trade it was probably never more so.

The low price of feed and the high price of beef appear to be inducing farmers to

give increased attention to the fattening of cattle.

A feature of the trade this season is the demand which is being experienced for the cow chains with accompanying stall fixture. This fixture does away with the old fashioned post, and promises to be popular.

DRILL BITS ADVANCE.

The manufacturers of drill bits in the United States have formed an association and issued a uniform price.

The new list shows a stiff advance in all kinds of drill bits.

As dealers in Canada go to the United States for their supplies of drill bits, higher prices may be looked for in this line on the local market.

DROPS FROM THE EDITOR'S PEN.

Neglect will bore a hole even in an armor-plated business.

There is prosperity in store for the store that is well managed.

Failing in business is often the result of failing to be up-to-date.

It is those who stop to think who make their business travel fastest.

Capital can do a great deal, but it can never take the place of brains.

He who cannot make his business cannot expect his business to make him.

Some people are driven into bankruptcy; but others lead themselves there.

A business that will not stand a little advertising must be badly overloaded indeed.

Clerks who would build up themselves should be zealous to build up the business of their employer.

When a business goes down it takes the merchant with it—unless his pockets be loaded with gold.

He who would succeed in business must keep in touch with the markets, as well as with his customers.

The only Turkey that cannot give thanks this season is Turkey-in-Asia. The powers have robbed it of one of its chicks.

THANKSGIVIN' 'POSSUM.

BY RILEY M. FLETCHER.



"Yassah, 'possum sut'ny am, mo' aw less, th' bes' allroun' cose food foh Thanksgiving' at ye kin provide. They's tukky en chick'n, ov cose, en ain' none of em ovly hahd to co'ch, excusin' wen yo 'bliged to tek daylight; then yo boun' foh to hab trouble. But git yo tukky, yo chick'n, yo ham, yo anythin' handy, en ef ye don' hab no 'possum—give ma wud, sah, y' ain' gwine enjoy yosef so good. Oh, my Lawd! seem lak I 'could smell 'm roasin' this ve'y minute.

"'Possum sho am th' quares' animil I mos' evah see: so quiet en easy en plesan'. Jes' seem lak he don' nevah wanten fight, en ef he do he ain' gwine staht hit. He jes' ez shameful ez a right small little babe, hidin' 'en grinnin' fum hin' 'is han'.

"Hit come Septembah mos'ly foh ye hunt 'im; too sneky mo aw less enduhn th' summah, but thet jes natch'lly wen yo gwine fin' yo watah-mel'ns done been tampaht wid. Ole 'possum go ram'lin roun' thoo th' patch, sawt o' laffin t' issef, lak hit waz t'day—en t'morrer wen ye strolls out wid yo knife en a tase in yo mouf y' ain' nevah gwine know tell ye cut um, thet th' mel'n done ben scoop clean holler wid Mistah 'Possum' hin' laig.

"'Possum mos' gen'ly sleeps thoo th' day, excusin' mebbe an owah aw two foh dawkw wen they mought tek a notion ter go fishin'. But y' ain' gwine fin' em moonshiny nights less hit mought be some rale young 'possums don' know no bettah. Some folk say 'possum fraid owls cotch em in th' moonshine, en some folks says they does n't nevah ram'le then kaze they fraid they own shadder.

"But mo aw less, foh propah right 'possum huntin', th' mos' bes' kin ov a night is a rale black un. Ye staht out right aftah suppah wid yo dawgs en some long little lighterd tawches en eithah some kin' ov a sack eithah not—don' mek no diffunce, jes so ye got a rale good pole wid a split end on't. Yo dawgs, they kites'head of ye, en tain' no time tell ye hyuh 'm bahkin' en ye fin' a 'possum up th' tree same wi'ch th' dawgs is bayin'.

"Dawgs is jes natch'lly mo aw less got th' 'possum smell, but ef they don', some folks teeks 'possem gall en rubs hit to they dawg's nose, en some folks they swings 'possum feet en gives hit to 'm. Ef they don' hun' 'possum wen ye done thet, hit's jes natch'lly kaze they ain' no 'possum

roun'—I tell'n ye Gawd's truth. But 'possum dawg don' love t' eat 'possum. No sah, mo aw less he won' tech em nohow 'thout ye hole im en force hit down 'is throat. En wen they bays a 'possum y' ain' gwine have no trouble wid th' dawg. He jes cotch ole 'possum back th' neck en shek 'im in 'is teef tell ye grab 'im yosef en eithah pop 'm in a sack or cotches his tail in th' stick I done tole ye 'bout. Ole 'possum he tek en wrop 'is tail roun' en roun' so tight mo aw less tell 't do seem lak y' ain' nevah gwine hit loose.

"Some folks traps 'possums, but eithah way, always, mos' gen'ly they's hahd ter kill. Hit 's the' mos' propah way ter lay'm 'crost a rail en brek 'is neck. Now, lak hit wuz t'day en Thanksgiving' wuz t'morrer, ye take yo 'possum en brek 'is neck; ye gashes 'im lak a chick'n en hangs 'im up tell to'morrer. T'morrer ye swings 'im ovah th' fiah. Some folks stchews 'possum, but I don' lak em that-a-way. Hit makes em tase kin o' flashy; ain' got no flavah. No sah, hit' propah right lak mos' folks does mo aw less, to roas' 'im wid sweet-'tatahs. Fust ye done got t' pahboil 'm—OO! Hoo! Seem lak th' smell in ma nose right now—yessah, pahboils 'im wid vingah en watah. Wen 'e's right smaht tendah ye tak 'im out 'n throws 'im in th' oven en bastes 'im wid vingah en black peppah. Umph! Humph! Shet th' do' wen that's about! No sah, th' ain' nothin' got such a pow'ful good stenk, en—en yessah, ef ye don min' hit'll git 'crost a ten akah piece. Hit's th' insult ov 'sperience at 'ts mo aw less bes' wid 'possum en sweet-'tatahs to have em kin' o' special-lak ter yo ownselfes. They ain' so pow'ful lawge that ye kin ax ev'y niggah in th' kentry will 'e have some. Well, sah, that 'possum's a layin' in th' roasin' pan wid a sweet-'tatah in 'is mouf en othas soht o' continyen on roun' in th' gravy—Sutny, sah, ye done peel em all-ways, mos' natch'lly, foh ye cook em wid 'possum. Ye bastes 'm tell he brown, but I give ye ma wud foh 't, y' ain gwine keep yosef fum tasin' 'im wen 'e's roas'in' to save yo soul. Ye would'en git no good satisfacshun leas ye could stick yo fawk inteh jes th' leas little piece o' cracklin' hyuh, and dip up wid a mite o' gravy nex' time—no sah, tain' natch'l.

"Of cose, wen ye got hit roas' propah ye tek 't out 'n set hit on top ov th' stove to keep wahm. Tain' bes' to wait too long foh yo dish yo 'possum kaze ye boun to keep a tasin it. Well, sah, ye put yo tukky, aw yo chickin pie aw yo ham en cawnbraid, en all th' res' ov yo cose food on th' table mo aw less. Ye got yo knick-knacks all ready; yo cake en yo jelly en yo sweet-'tata custahd en ten yo 'possum git toted in. My Lawd! Ye hep yosef to roas' ham aw jes

a propah mite o' chick'n pie, en ye 'low yo gwine enjoy hit splendid. Ye mought en agin moughtn't. Hit don' mos'ly mek no diffunce; anythin' boun to tase flashy side o' 'possum. Umph! Humph! Sweet-'tatahs is jes natch'lly malicious mo aw less by theysevs, but wen yo got sweet-'tatahs en 'possum—yo jes natch'lly boun' to eat tell ye huht yosef inside. Tell ye Gawd's truth, sah, wen ye got 'possum en sweet-'tatahs ye so happy tain' lak nothin' else excusin' wen ye done got 'ligion fust time.'—What to Eat.

BRITISH SHIPBUILDING.

The shipbuilding capacity of the United Kingdom is almost, if not quite, fully employed, as may be seen from the following comparison of the principal naval construction districts by the tonnage actually on the stocks in each of them at the end of September:

	1897.		1898.	
	Vessels.	Tons.	Vessels.	Tons.
Glasgow and Greenock.....	142	259,339	196	483,256
Newcastle	70	130,449	89	255,793
Sunderland	46	145,436	54	175,814
Belfast	21	158,602	20	164,110
Middlesbrough and Stock- ton.	29	81,632	37	107,630
Hartlepool and Whitby....	17	56,985	28	81,580
Barrow, Maryport and Workington	7	3,160	15	32,970

The total tonnage now under construction in the Kingdom for other than warlike purposes is 1,364,250 tons, against 884,336 tons a year ago. In Germany, the amount is at the present time 144,105 tons; in France, 75,432 tons; in the United States, 55,245 tons; in Italy, 40,984 tons; in Norway, 27,010 tons; in Holland, 20,223 tons; and in Denmark, 12,570 tons.

NEW INVENTIONS.

Below will be found a list of new patents recently granted by Canadian and American Governments, the patents being secured through Marion & Marion, solicitors of patents, New York Life building, Montreal, and reported by them for the benefit of our readers:

Canada.—Nos. 61697, A. E. A. Smith and Carlos Worth, Stanstead, Quebec, check rein device; 61715, Stanislas Rosenberg, Paris, France, ceramic decoration.

United States.—No. 613499, W. J. Curry, Nanaimo, B.C., collapsible bed.

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

SHERWIN-WILLIAMS STAFF DINE.

SIXTY-SIX representatives of The Sherwin-Williams Co. dined at the Country Club, Cleveland, O., on Friday evening, as the guests of the company. A most delightful evening was spent by the gentlemen present. The banquet has grown to be an annual affair given in connection with the yearly convention of the Sherwin-Williams people.

Eighteen years ago the company inaugurated the plan of an annual convention of the managers and traveling representatives of the house. It was thought by officers that such a gathering would foster a spirit of pride in the company and good fellowship among the salesmen better than any method.

The dinner was served in the reception-hall and parlors of the club house. The tables were decorated with yellow chrysanthemums.

After dinner, E. P. Williams, vice-president of the company, introduced Edward A. Wood as toastmaster. Mr. Wood, who is the manager of the New York department, made a most happy speech, in which he related a number of stories, both new and spicy. Afterwards, he called upon a number of those present. One of the most interesting speeches was made by J. W. Ward, who concluded his remarks by singing a Scotch ditty. Speeches were also made by C. F. Pratt, A. W. Ballard, H. A. Sherwin and many others.

The convention of The Sherwin-Williams Co. began last Tuesday, and was concluded on Saturday. Traveling salesmen from every State and Territory and Canada were present. The products of the company and the best method of handling them were thoroughly discussed. A feature of the convention was the smoker on Thursday evening, when Prof. Whitman, of Western Reserve, gave a talk on "The Theory of Colors."

Those present were: H. A. Sherwin, E. P. Williams, J. F. Weare, J. C. Beardslee, A. M. Parks, G. W. Ford, W. H. Cottingham, G. A. Martin, E. A. Wood, M. L. Sims, H. D. Whittlesey, E. M. Williams, L. J. Fasquelle, Matt. M. Smith, J. H. Vance, D. E. Fisher, Thos. Madill, J. H. Eames, W. B. Albright, E. M. Richardson, C. F. Pratt, W. B. Wise, A. E. Schafer, D. J. Moore, L. C. Webber, H. E. Billau, C. S. Wheeler, A. W. Ballard, W. H. Roberts, J. H. Williams, H. M. Gordon, A. Remington Smith, F. C. Harris, E. T. Parsons, W. E. Mathews, John W. Porter, L. M. Williams, C. W. Soverel, H. T. Sheldon, E. E. Lewis, G. C. Schell, E. H. Webster, M. B. Millsaugh, Joseph P. Minetree, Jr., C. W. Thompson, L. W. Barney, C. F. Hatfield, F. B. Hare, C. C. Ballentyne, R.



No Mystery

The Sherwin-Williams Paints are not patent paints, nor chemical paints, but pure white lead and zinc and oil and drier and color and nothing else. These make honest paints that cover most and best, and wear longest. There is a reason why these are the best paints. This reason is not a secret nor a mystery. It is because by hard study, hard work and patient improvement for thirty years we have made the best paints that can be made—

THE SHERWIN-WILLIAMS PAINTS

The prejudice which many sensible people have against ready-mixed paints is due to the number of inferior mixtures sold in cans. No one doubts to-day that paint can be made with the latest scientific appliances better than can be mixed from the raw materials by hand-work and guess-work. The moral is plain. Buy ready-mixed paints in which you have absolute confidence. The paints with the best reputation. The Sherwin-Williams Paints. Send for booklet "Paint Points." Free.

THE SHERWIN-WILLIAMS CO., PAINT & COLOR MAKERS, Canadian Dept., 21 St. Antoine St., Montreal

C. Mission, Alex. Sclater, Jos. Lacasse, F. C. Donnison, G. Drainville, B. D. Ross, T. H. Rothwell, J. W. Ward, Jas. A. Brown, Ben. Kelson, C. B. Coole, P. J. Hawk, C. T. Williams.

The Canadian representatives of The Sherwin-Williams Co. arrived home from Cleveland Monday morning, after attending the five days' convention of the company at the headquarters, Cleveland. They state it was the greatest convention the company ever held, and that the business of the year was reported far the best in the history of the concern. Mr. Walter H. Cottingham, managing-director of the Canadian department, remained in Cleveland for a few days after the convention.

THE GOVERNMENT URGED TO ACT.

THE WINNIPEG TRIBUNE, of a recent issue, reproduced an article from **HARDWARE AND METAL** regarding the spade and shovel combine, and comments thereon as follows:

The facts in this case would seem to be, that the Canadian business of manufacturing spades and shovels is practically all in the hands of one concern. This firm now pays several thousand dollars per annum to an American spade and shovel trust as a consideration for their undertaking to keep their goods out of Canada. It might have been thought that a 35 per cent. duty would have been ample to attain that end. As an example of the effect of this nefarious arrangement, it may be stated

that, so soon as it was consummated, the price of the Old's brand of spades and shovels was advanced to the wholesale trade \$1.30 per dozen, an advance equivalent to 30 per cent. of the price previously ruling. (The Old's brand comprise 30 per cent. of all spades and shovels used by Manitoba and Northwestern farmers.) Not only are the consumers thus mulcted, but they even then cannot obtain sufficient supplies from the monopolist Canadian factories, and dealers are under the necessity of resorting to the dissimulation which **HARDWARE AND METAL** suggests, or, if too scrupulous for that, of seeing their business go to other less scrupulous concerns.

The evidence would go to show that neither the interest of the Northwest farmer nor commercial morality is prompted by the existence of the spade and shovel duty, and it is to be hoped that the Government will speedily have it cancelled or reduced. The latter course would probably make it a considerable revenue producer, while, at the same time, enabling the farmer to get his required supply of spades and shovels at their proper value.

The existence of this Canadian spade and shovel trust was brought to the attention of the House last session by the member for Lisgar, who read correspondence proving that Canadian hardware firms had found it impossible to procure supplies of the goods in question from United States manufacturers. It is since that time that the advance in price was made by the Canadian trust. Altogether this appears to be a matter in which the Government cannot act too promptly.

The freight space on the various lines running between British Columbia and Japanese ports has been booked ahead to next June. This looks as if trade between Canada and Japan is growing healthy.

HINTS ON CHRISTMAS WINDOW DISPLAYS.

SEE that quite a number of the most enterprising merchants throughout the city are devoting one, and, in some cases, two of their windows to the Christmas trade—they are displaying the various wares which they consider are most likely to have a demand as holiday gifts. As a rule, I believe, in country towns the chief displays about Christmas time are in the grocery, dry goods and stationery stores. Why the hardware dealers in every town do not make a point of having a display rivaling any in the place is a mystery to me. The hardware dealer, above all other merchants, has a variety of goods that make splendid Christmas gifts. Most of these goods, too, are such that good pushing greatly increases their sale.

There are now but four weeks until Christmas. It would pay every hardware merchant to have at least four different displays in every display window in his store before that time. And what a variety of displays he can make!

Take cutlery for instance. Mention has been made in these columns of various devices—shields, crosses, anvils, etc., made of wood, and either painted or covered with a dark colored cotton, which display pocket-knives to excellent advantage.

About the best method of showing off table cutlery, either carving-sets, dinner-sets, or tea-sets, is to have a platform built on the floor of the window, with steps each eight inches higher than the one in front of it. This should be neatly covered with cotton or crepe tissue paper. When the latter is used, light shades such as pink, yellow, wine or light blue should be employed. On this many sets may be arranged, each by itself.

Another excellent way to display table cutlery, and, in fact, all articles for the table, is to get a table small enough and set it in the window, with the various pieces in their proper places. A card might be used, bearing some query, such as: "Have you not a friend who wants a table set like this? For \$— you can make her happy for years."

Who could not make a display of skates? I remember one display I saw, at least two years ago. The window was a large square one. Four hockey sticks were placed with the handles together, after the manner soldiers "stack arms." There were three of these piles or stacks—two close to the front, at the sides, and the other at the centre of the rear. The skates were in rows, according to their price. A pair of costly racing skates were at the back. Three pairs of

hockey skates, almost as expensive, were next. Then, a larger row of cheaper hockeys were lined up. There were five or six, or possibly seven, rows, each one containing a larger number of skates, of cheaper quality than the row behind it. In front and at each side of this triangular display were skate straps innumerable, keys, bolts, nuts, sharpeners, etc., the small articles in little piles. All articles were priced. At the top of the back pile of hockey sticks was a card: "Do you believe in healthy exercise? Just ask your favorite boy or girl if they would like a pair of skates." The use of the Queen's English was not altogether perfect, I admit, but the card was effective, nevertheless.

It might be good policy, now, in many instances, to try something special in the way of displaying stoves. Last fall, a city dealer had a coal stove in his window, and created the impression that it was lighted by placing inside an incandescent light. A cooking stove, I believe, would make even a better display. One or two Chinese lanterns, or, in their absence, a couple of candles, shaded by red tissue paper, would give a semblance of animation to its cold exterior. A coal oil stove under one of the stove-holes would give real life to the scene,

if on the hole a kettle with a little water were set. It would, doubtless, be a mystery to many to see a kettle boiling on a stove to which there were attached no pipes. A gentle reminder to husbands that a good stove is necessary to satisfaction at meal time might make a display like this do quite a little business.

I have made no reference to toys. Some hardware dealers say it pays to handle them; some have not made it pay. I will express no opinion except that I believe if a dealer wants to make money out of the Christmas toy trade he must not be afraid to lay in a stock equal to his competitors; and he must not be afraid to keep the fact that he has such a stock before the public in every manner possible.

A reason which, I believe, has deterred many merchants in all lines of trade from spending much energy in window dressing about Christmas time is the fear of frosted windows. A tip on that score—a little vaseline or glycerine rubbed over the entire inside surface of the window will not in any way hide the display if it is put on lightly enough (it should be put on with a woollen cloth), and will keep the window entirely free from frost. If the store is kept at an even, warm temperature day and night, the vaseline will not be necessary.

THE RAMBLER.

GILBERTSON'S

"COMET"

BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are **fully equal** in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and **cost less**.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. **Cost** no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . . 22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

WHOLESALE
HARDWARE

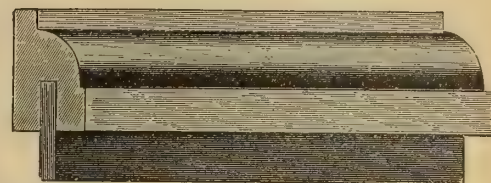
37-39 Front Street West TORONTO

Felt Weather Strip



60. For sides and top of windows.

Excludes all

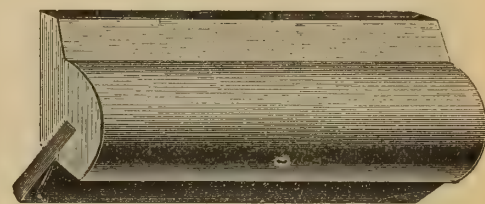


61. For sides of windows and doors.



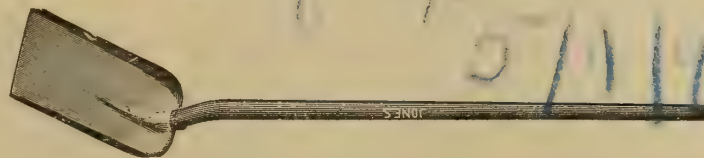
64. For bottom of doors.

**Cold,
Wind,
Dust
and
Rain.**



62. For centre of windows.

Snow



Steel—T and L Handles.

Shovels



Wood Snow Shovels—FAVORITE. All sizes, Painted Red.

OUR LETTER ORDERS
SHIP PROMPTLY.

Graham Cut and Wire Nails are the Best.

OUR PRICES ARE RIGHT.

H. S. Howland, Sons & Co., Toronto

A WARLIKE WINDOW DISPLAY.

THE accompanying cut is a representation of a window display used by G. A. Binns, hardware merchant, Newmarket, Ont., during fair week, and is composed entirely of different articles sold daily in any hardware store. The design is both patriotic and seasonable, and reflects great credit on Mr. Binns.

HARDWARE AND METAL has much pleasure in reproducing it for the benefit of its many readers, and hope others may favor it with original designs in window displays, and anyone sending them in, together with electrots, can have the same reproduced. In case anyone should wish to use this, we give below the recipe.

Through the ends of two 6-foot crosscut saws pass strong wire and fasten well. Then



A Ship of the Line.

make them ship-shape by the use of boards, properly cut. Deck this out with a thin board, covered with proper-colored paper. Fasten well together. Now add two pieces 6-inch stove pipe thimbles, well fastened fore and aft, and roofed with heavy can tops. Add to this the top half of a double roasting pan, well fastened in centre of deck. You have now your hull and turrets. Next, take two pieces of 2-inch tin conductor, and place in proper position for stocks, and also a butcher's horn, with muffin tins well soldered on. Now get six wooden tops; well black them, also several oil can spouts. Place in proper position for guns. To complete, you now garnish it with coat and hat hooks, picture knobs, a lamp. Decorate to taste. Allow to stand three days in conspicuous place, after which take to pieces, and put back in original places. You will thus have had a cheap and striking window

display that ought to bring you lots of business.

SELLING OUT THEIR CROCKERY.

On Tuesday, November 29, the crockery stock of the estate of J. T. Russill, crockery and hardware dealer, Toronto, will be sold by auction. Over 30 years ago, Mr. Russill commenced business in the St. Lawrence market, his business at that time being chiefly in the crockery line. During later years, "Russill's in the Market" began to attract attention as hardware dealers, and, during the present year, the hardware and tinware departments have been largely increased, taking up the space formerly devoted to crockery and glassware. After November 29, the firm will discontinue entirely the sale of the latter goods, and

FOR \$267.50 I will insert a fifty line advertisement twenty times in fourteen (14) of the best papers, in the 11 largest cities in Canada. A snap for Holiday and Winter Goods. All good mediums, representing a circulation of over 150,000 copies per issue. Write at once for details to THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.

Emery and Hardware Specialties

Hamilton, Ont. **COOKE HARDWARE CO.**

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring. "The Latest and Best." Sold by all Leading Jobbers in Canada.

**PRIEST'S CLIPPERS**

Ball Bearings Largest Variety. Toilet, Hand, Electric Power **ARE THE BEST.** Highest Quality Grooming and Sheep-Shearing Machines. **WE MAKE THEM.**

SEND FOR CATALOGUE TO American Shearer Mfg. Co., Nashua, N.H., USA

**COATES' CLIPPERS**

HAND AND POWER, easiest running made. Manufactured in very style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel and will not heat. 1899 catalogue ready.

Coates Clipper Mfg. Co. WORCESTER, MASS.



McLashill, Dougall & Co
Fine Varnish & Japan
Manufacturers
Montreal
Price Lists on application

AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods
Can ship promptly and supply the very best

We make a specialty of....

"Hand Shaved"

**Octagon
Axe Handles**

Made by
Indians

being the largest dealers in Canada in this line
Can give exceptional value.
Have 5,000 dozen of these handles
on hand, ready for polishing.
Write for prices.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.

confine itself to hardware and house-furnishings.

JOINED THE SHERWIN-WILLIAMS STAFF.

Mr. James A. Brown, for 11 years an employe of The Bowman Hardware Company, of this city, has severed his connection with that firm, to accept a position with The Sherwin-Williams Paint Company, of Montreal. On Saturday afternoon Mr. Brown was called into the office and presented with a handsome diamond ring and neatly-worded address, the presentation being made by Mr. Lyle Johnson and the address being read by Mr. J. Givins. Mr. Brown made a very suitable reply. The recipient of this mark of esteem has been traveler for The Bowman Company for eight years, during which time he became very popular with all the leading business houses in the west. He enters upon his new duties with the best wishes of his many friends.—Free Press, London, Ont.



EMERY

Cloth and Paper.
Glass and Flint Paper.

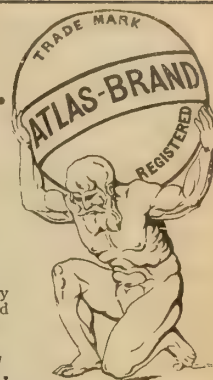
"Atlas" Brand

"FLORA" Knife Polish, in 3d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes.

EMERY GRINDING MACHINERY.



Write for Latest Catalogues and Samples to

THE LONDON EMERY WORKS CO.,

10-12 Vine Street
Clerkenwell,

LONDON, E.C.

CORPORATE MARK



JOSEPH RODGERS & SONS, Limited.

MANUFACTURERS OF

Pocket and Table Cutlery, Scissors, Razors, Erasers, Etc.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for Canada,

JAMES HUTTON & CO.,

Montreal

MAKE YOUR CUSTOMERS HAPPY

and make some money for yourself.

If you can save your customers one half of their fuel, or heat an extra room perfectly without additional fuel, do you not think they will be interested?

THE WINNIPEG HEATER WILL DO THIS

consequently it is easy to sell, and you will be surprised how it will advertise your business. **Now is the harvest time for selling these Heaters.** May we send you a sample on approval? Do you want the agency? It will only cost you a postal to get our prices and inducements if you are not too late.



The Metal Shingle and Siding Co.

PRESTON, ONT.

LIMITED

BOECKH'S BRUSHES, ETC. IN ENGLAND.

WHEN, some weeks ago, a representative of The Hardwareman, London, Eng., was in Canada, he visited the warehouse and works of Boeckh Bros. & Company, Toronto.

In an illustrated article, which has since appeared in The Hardwareman, the representative expresses the opinion that the goods manufactured and sold by Boeckh Bros. & Company are destined to have a large sale in England.

Regarding Mr. J. H. Moore, who left Toronto, for London, as representative of Boeckh Bros. & Company in England during the stay of The Hardwareman's representative here, he says: "Mr. Moore is going a stranger to London, and I venture to bespeak for him as cordial a reception as the Canadian merchants and manufacturers have given me."

After dealing with the natural advantage a Canadian manufacturer of any kind of woodenware has, because of the plentitude of good timber here, the representative enters into a detailed description of the various specialties made by Boeckh Bros. & Company.

Speaking of their adjustable show and display table, the prophecy is made that, owing to its simplicity and utility, it will

"secure a wide sale throughout Great Britain."

English painters have had much experience with bridles for paint brushes. Much of this has been unsatisfactory, but, after a thorough examination of the flexible bridle made by Boeckh Bros., The Hardwareman declares that this attachment is "simple as the most exacting painter could demand," and predicts "a future" for it in the Mother Country.

Boeckh's bamboo brooms also commend themselves to him, and he declares that they are destined to "walk into the affections of the sonsie housewives of Yorkshire, Lancashire and southern Scotland."

The representative states that it will be interesting to follow the attempt of this Canadian firm to find a place for their paint brushes in the British market. "While," he says, "it is well-known that England possesses brush factories which are reputed to make the best brushes in the world, I can guarantee the quality of the Canadian article and warn the English manufacturers they are not competing with tyros; they are competing with a firm who have learned the trade thoroughly and know exactly what the painter demands."

After a short reference to the ingenuity and thoroughness displayed in the works of Boeckh Bros. & Company, the article is con-

cluded by the following: "The Hardwareman has done and is doing its level best to induce Canadians to buy British goods; to return the compliment is reasonable enough by asking England to buy Canadian goods. This is only true Imperialism."

AN ENTERPRISING TOWN.

The population of Springfield, Ont., is only about 600. The business men of that town, however, make up for what the town lacks in numbers by energy and enterprise.

Both sides of Main street are built up continuously, for a whole block, by business houses, including a bakery, hardware and tinware shops, general stores, groceries, drug stores, a printing office, furniture stores, butcher shops, jewelery shops, a private bank, crockery stores, harness shops. These, with the post office and the telegraph and telephone offices, make quite a businesslike street.

An interesting fact in connection with Springfield's business is that, though there are almost twice as many business houses in the town now as a year ago, not only is the volume of business done by each increased, but trade is almost entirely conducted on a cash basis.

The building improvements in Tilbury, Ont., this year have amounted to \$25,000.



MORE PROFITS.

You know how good Goodrich-Resflex Single Tubes were last year. This season they will be just as reliable. "Pump 'em once a month" in 1899, the same as in 1898. They have Goodrich rubber.

Their profit for the dealer lies in their goodness. They help his local reputation. They don't displease riders. The rider has very little trouble from them. All this helps the dealer that sells the tire.

We want you to write us and get our new Trade List, just off the press. Also, get our proposition.

We sell Morgan & Wright Double Tubes, too. "Morgan & Wright Tires are good tires."

American Tire Co.

Limited

162 King Street West

TORONTO

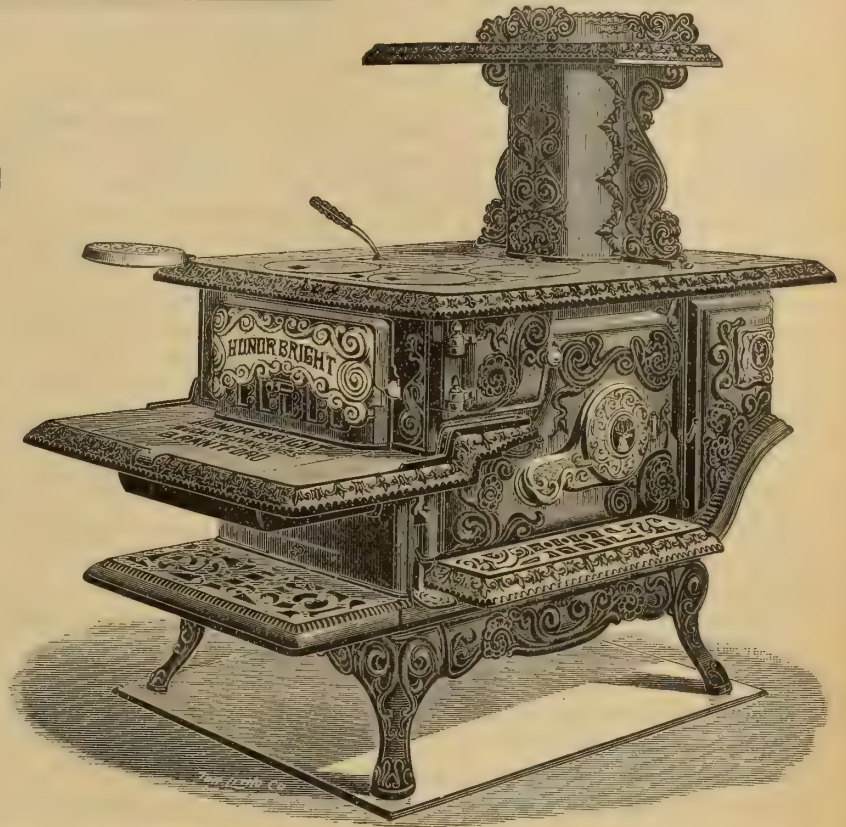
The Finest Cooking Stoves in the World.

"Honor Bright"

FOR WOOD.

Sizes: 9/21--9/23--9/25--9/27

SQUARE
AND EXTENDED.



"Eminent"

FOR COAL OR WOOD.

Sizes: 8/21--9/21--9/23

SQUARE
AND EXTENDED.

We Guarantee Shipment of above Stoves same day Order is received.

The William Buck Stove Co.

WIRE AT OUR EXPENSE.

LIMITED

BRANTFORD, Canada

BRANCH HOUSES:

422 St. Paul Street, MONTREAL.
246 McDermott Street, WINNIPEG.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Nov. 25, 1898.

HARDWARE.

WHILE the volume of trade is slightly less, as a result of the rise in railway freight rates, there is still sufficient activity to impart a pretty lively aspect to the general hardware situation, as buyers are having supplies of the heavier and more bulky articles pushed forward as rapidly as possible; to take advantage of the balance of time before water communication ceases. Values, as a rule, are steady, and demand centres on the same articles.

BARB WIRE—Business rules quiet, and prices are unchanged at \$2 f.o.b. Montreal.

PLAIN WIRE—There has been little change during the past week and prices are not quotably changed.

WIRE NAILS—Inquiry for wire nails is well maintained, while prices remain unaltered at \$1.70 to \$1.75, as to quality.

CUT NAILS—There is a fair volume of business in cut nails. We quote the base

price \$1.75 f. o. b. Montreal, and leading Ontario points as before.

HORSE NAILS—The movement in horse nails has been quite satisfactory, and discounts are : 50 per cent. on Standard, and 50 and 20 on Acadia brand.

HORSESHOES—There is an active movement in these goods. We quote as follows : Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35; toe weight, \$5.50.

SCREWS—In fair inquiry. Discounts are as follows : Flat head bright 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—A good trade is doing. Discounts are as follows : Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5; tire bolts, 70 and 5, and sleighshoe bolts, 80 per cent.

RIVETS—Demand fairly active. Discounts are : Iron, black and tinned, all sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Quiet, but steady. We quote as follows : Sisal, 7-16 and up, 10c.; ¾, 10¼c.; 5-16 and ¼, 11c., and 3-16, 11¼c. Manilla was unchanged : 7-16, 11½c.; ¾, 12¼c.; 5-16 and ¼, 13c., and 3-16, 13¼c.

CLOTHES WRINGERS—In fair demand, with values as before.

CHURNS—Continue as last reported.

BUILDING PAPER—There is little change from last week, a fair volume of trade being noted. We quote: Tarred fibre, 45c.; dried ditto, 35c.; tarred sheathing, 30c.; dried, ditto, 25c.; tarred roofing, \$1.20.

BELTING—There is no change in belting, and demand rules fairly active.

HINGES—Continue unchanged : 6 to 12 inch, \$3.50 per 100 lb.; 14 inch, \$2.50; screen door, \$6.50 per gross, and T and strap, 70 and 10 per cent. off the list.

TOOLS—Inquiry has been fair for carpenters' implements.

Seasonable Goods.



Decorated { Enamelled
Wares.
... Canadian Make.

A large assortment of
**TEA and COFFEE POTS,
Sugar Bowls, Butter Dishes,
CUPS, PLATES and SAUCERS,
TOILET SETS, Etc.**

Order early for your
Christmas Trade.

Perfection Kettles.

NICKEL PLATED.

For Base Burners
Flat Bottom.

FOUR SIZES.

Nos. 4, 5, 6, 7.

Body made of one piece
with neat bent spout.
Handle made with rod in
one piece—cannot fall
apart.

Let us send you a
Sample of each size.



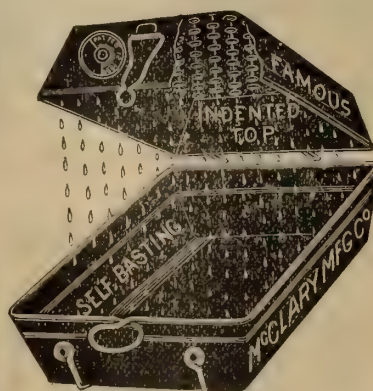
TURKEY TIME.

Famous { SELF
BASTING

...Roasting Pan

THREE SIZES.

	Length	Width	Depth	List Price
No. 20	14	10	7	\$0.80
No. 30	16	11½	8	1.00
No. 40	18½	12½	9	1.20



Self Basting.

The condensed steam drips
from the Indented Cover, con-
tinually basting the contents of
pan.

Wire shoes on bottom of pan
prevent burning on the bottom.
No inside tray to collect dirt.

Easily Cleaned.
Properly Ventilated.

The McClary Manufacturing Company

LONDON

TORONTO

MONTREAL

WINNIPEG

VANCOUVER

The genuine is stenciled "Apollo-Vandergrift"

APOLLO BEST BLOOM
GALVANIZED IRON.

The worse your galvanized
iron, the longer it takes you
to work it.

Loss in wages; no gain.

Apollo Iron and Steel Company
Vandergrift Building
Pittsburgh

Works: Apollo and Vandergrift, Pa.

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

ROLLING MILLS
.. MONTREAL

MERCHANT BAR IRON—

	BRAND
Best Refined Bar Iron	AVB
" " Rivet Iron	AVB
" " Horseshoe Iron	
Ex. Best " Bar Iron	AXB
" " Rivet Iron	AXB
" " Stay Bolt Iron	AXB
" " Hammered Iron	AHB
" " Charcoal Iron	ACB

Tyre, Sleigh Shoe,

Axe and Rivet STEEL.

CANADA IRON FURNACE CO.,

Manufacturers of Limited

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

CEMENT—Continues quiet, with a very firm tendency. We quote: Belgian, \$1.85 to \$2.05; German, \$2.35 to \$2.50, and English, \$2.25 to \$2.35, with domestic \$1.95 to \$2.

FIREBRICKS—Less active, but values are firm at \$16 to \$21 per 1,000, as to brand.

METALS.

The metal and heavy iron market has ruled firm, with few changes in value to report, but there is quite a movement getting forward old orders by boat, before water navigation ceases. New business, however, is lighter.

PIG IRON—Trade in pig iron has been quiet, but values are firm. We quote as follows: No. 1 Hamilton, \$15.25; to \$15.50; No. 2, \$14.75; Ferrona \$14.75 to \$15; Siemens, \$14.75 to \$15, and Summerlee and equal brands, \$18, ex wharf, and \$18.50 to \$19 ex yard.

BAR IRON—There is a quiet movement, and values are steady at \$1.40 to \$1.45.

BAR STEEL—Steadily held, with demand fair.

HOOPS AND BANDS—There is no change in hoop or band iron, which we quote at \$1.75 to \$2.

SHEET STEEL—A moderate demand is experienced. We quote: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON—Quiet and unchanged. We quote as follows: \$2.10 on 10 to 16 gauge; \$1.80 on 18 to 20 gauge; \$2 on 22 to 24 gauge; \$2.10 on 26 gauge, and \$2.15 on 28 gauge.

GALVANIZED IRON—Stocks are rather light for the winter in some hands, and values are firmly held. We quote: "Queen's Head," No. 28, \$4 to \$4.15; and "Comet," No. 28, \$3.75.

INGOT COPPER—Rules steady, at 13 to 13 1/4 c.

SHEET COPPER—No change is exhibited here from last week. We quote: 16-oz., 16c., and 14-oz. 17c.; tinned copper, 16-oz., 18c.; 14-oz., 18 1/2 c., and planished 14-oz., 24c.

INGOT TIN—This metal has recorded no change here, and prices are held at 20c. for Lamb and Flag and 19 1/2 c. for Straits.

PIG LEAD—Dull, but very firm, at \$3.70 to \$3.80.

IRON PIPE—In good demand and steady. We quote: Black pipe, 1/4-inch, 3/4-inch, and 1/2-inch, \$2.35; 3/4-inch, \$2.80; 1-inch, \$3.85; 1 1/4-inch, \$5; 1 1/2-inch, \$6.70, and 2-inch, \$9. Galvanized, 1/2-inch, \$3.95; 3/4-inch, \$4.80; 1-inch, \$6.65; 1 1/4-inch, \$9.15; 1 1/2-inch, \$11.75, and 2-inch, \$16.

LEAD PIPE—There is a fair movement in lead pipe. We quote: Ordinary, 7c., and composition waste pipe, 7 1/2 c. Discount, 25 per cent.

**IRON
STEEL
TINPLATES
WIRE, Etc.**

A. C. LESLIE & CO.

Importers

MONTREAL

Sanderson's Tool Steel in stock.

"GREENING'S

Cow Ties."

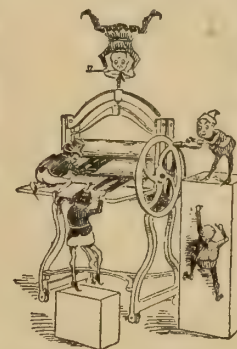
These Cow Ties have stood the test for years. Undoubtedly the best and strongest on the market.

It will pay to handle only the best. A complete line of all sizes ready for shipment. For sale by all jobbers.

The B. Greening Wire Co.

LIMITED

MONTREAL AND HAMILTON.



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited

Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

CANADA PLATE—Demand is quiet, but values are quite firm. We quote as follows: 52's, \$2.15; 60's \$2.30; 75's, \$2.35; full polished, \$3; galvanized Canada plate, 52's, \$3.75.

TINPLATE—There is little activity to report in tinplate in the shape of new business. We quote as follows: Coke, I. C., \$2.90 to \$3.25; charcoal, I. C., Allaway or Comet brands, \$3.25; do, I. X., \$4.10 to \$4.25; Lincoln, \$3.50; P. D. Crown, I. C., \$3.95; do, I. X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Steady and unchanged at \$6 to \$6.25.

COIL CHAIN—Steady, with little doing. We quote as follows: $\frac{1}{4}$ -inch, \$4.75; 5-16, \$3.50; $\frac{3}{8}$, \$3.15; 7-16, \$3; $\frac{1}{2}$ -inch, \$2.80, and $\frac{5}{8}$ up, \$2.80.

SHEET ZINC—Firm, but quiet at $6\frac{1}{2}$ to $6\frac{3}{4}$ c.

SOLDER—Moderate demand and prices firm at $12\frac{1}{4}$ c.

ANTIMONY—Unchanged at $9\frac{1}{4}$ to $9\frac{1}{2}$ c.

SPELTER—The rise in prices is well held. We quote: Vielle Montague at \$6 to \$6.25 and American at \$5.50 to \$5.85.

GLASS.

The window glass market is firm at the recent rise. Quotations now are: First break, \$1.80; second, \$1.90 per 50 feet; first break per 100 feet, \$3.50; second, \$3.75; third, \$4; fourth, \$4.25; fifth, \$4.75; sixth, \$5.25, and seventh, \$5.75.

PAINTS AND OILS.

Business during the past week has been fair, and there is still employment at the manufactories. Prices in all lines continue as quoted last week. Some speculative prices on Paris green have been current during the week, but we have been unable to learn of transactions, and no bona fide business is looked for for some time.

WHITE LEAD—Best brands, Government standard, \$5.62 $\frac{1}{2}$; No. 1, \$5.25; No. 2, \$4.87 $\frac{1}{2}$; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, $4\frac{1}{2}$ c.; kegs, $4\frac{3}{4}$ c.; No. 1, casks, $4\frac{1}{4}$ c.; kegs, $4\frac{1}{2}$ c.

WHITE ZINC PAINT—Pure, 7c.; No. 1, $6\frac{1}{4}$ c.; No. 2, $5\frac{1}{2}$ c.

PUTTY—We quote: Bulk, \$1.65; bladder in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 50c.; boiled, 53c., five to nine-barrels, 1c. less, ten to nineteen, 2c. less, and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 55c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at $8\frac{1}{4}$ to $8\frac{1}{2}$ c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, $4\frac{1}{2}$ to $5\frac{1}{2}$ c. for colored; and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

PETROLEUM.

There is a good movement in this material for city wants, and quite a few orders have also been noted on outside account for points reached by water. We quote as follows: "Crown Acme," the new Sarnia oil, is selling at 16c. in small quantities; Canadian refined, 14c.; American prime white, 17c.; water white, 18c.; Pratt's astral, 19 $\frac{1}{2}$ c.

HIDES.

Hides rule quiet, with prices unchanged. We quote: Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3, 7c. Lambskins, 65 to 70c.

ONTARIO MARKETS.

TORONTO, Nov. 25, 1898.

HARDWARE.

TRADE is still active in the wholesale hardware line, and the feature of it is the large quantity of goods which have been sent forward this week for shipment to the upper lakes. The demand for wire nails continues brisk, and for some sizes it exceeds the supply. Cutlery and plated goods for the holiday trade are in good demand. Ammunition is still selling well. Cow chains and cow ties are in active request. The demand for rope is still almost nil. Snow shovels are in active demand. Drill bits have been advanced by the manufacturers in the United States, and a firmer feeling obtains here as a result. Felt weather strips are being called for extensively. Axes are in good demand. A scarcity is still to be noted in building paper. Trade continues good in both horseshoes and horse nails. The demand for enamel ware is fair. Stove and furnace manufacturers still find the demand exceeding the supply, notwithstanding the time of year.

BARB WIRE—Business is still dull. We quote as follows: Four point, \$1.80 f.o.b. Toronto and \$1.85 f.o.b. London; two point at \$1.90 f.o.b. Toronto. Terms, 30 days or 2 per cent. 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—Still practically nothing doing. Discounts are as follows: Annealed, oiled and annealed, bright wire, coppered steel and spring, 37 $\frac{1}{2}$ per cent. discount off the list, with allowance of freight up to 20c. per 100 lb.; galvanized, 30 per cent.

WIRE NAILS—Trade is keeping up well, and in some sizes the demand exceeds the

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

FOX All-Steel Sash Pulleys

THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.

THEY can be applied quicker than any other Pulley.

THEY are cheap, strong and durable.

NO NAILS
JUST BORE

NO SCREWS
FOUR HOLES

AIKENHEAD HARDWARE CO.

Toronto.

"BUILD TO-DAY THEN,
STRONG AND SURE.
WITH A FIRM AND
AMPLE BASE."
—Longfellow.

DO YOU?
WISH TO BUILD
an advertisement
in the
CONTRACT-
RECORD.
TORONTO
will bring you
tenders from the
best contractors



THE ...
UNRIVALLED



**Brilliant
St. Antoine**
METAL
POLISH.

Free from acids.

Most useful for household articles, musical instruments, jewellery, harness, etc. Highly recommended by fire brigades, railway and steamship companies.

SEND FOR QUOTATIONS.

Also manufacturers of Mucilage, Ink and the famous St. Antoine Cement for glass and china ware.

THE VICTORIA CHEMICAL WORKS CO.
MONTREAL

supply. The base price for small lots is \$1.75 Toronto, with lower prices ruling on quantities.

CUT NAILS—There is a demand for the smaller sizes for shingling and lathing purposes, but, generally speaking, trade is quiet. Base price \$1.75, Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—Trade is fair. Discounts are as follows: Standard, oval head, 50 per cent. Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—An active trade is still to be noted. We quote as follows: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—Trade is fair. Discounts are as follows: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—The stove bolt trade is still active, and a fair business is also to be noted in machine and carriage bolts. We quote as follows: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¼c.; hexagon, 5¼c.

RIVETS AND BURRS—Trade is steady and without special feature. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE—The demand is still apparently without improvement. We quote: Sisal, 7-16 in. and larger, 10c.; ¾ in., 10¼c.; ¼ and 5-16 in., 11c.; Manilla, 7-16 in. and larger, 11½c.; ¾ in., 12c.; ¼ and 5-16 in., 13c.; deep sea line, 13½c. for water laid, and 14¼c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—A fair trade is reported. We quote: Rope halters, ¾ in., \$8.25 to \$8.50 per gross; ½ in., \$9.25 to \$9.50; ⅝ in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

Nothing Better

Nor nothing else as good for interior finish as our

METALLIC CEILINGS AND WALLS

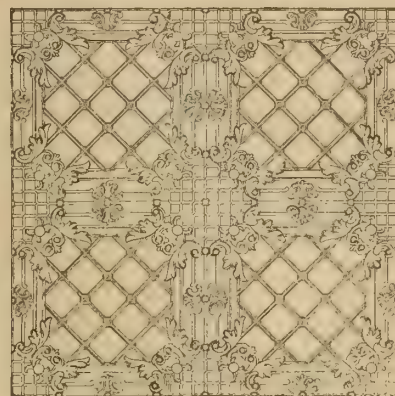
They are Fireproof,
Sanitary and
Permanently Beautiful.

We make countless artistic designs that will suit any room of any building—they are easily applied. We furnish working drawings for each job—can be used over plaster in old buildings if desired.

Their economy, durability and beauty commend them to everybody. If you aren't handling them, send for our catalogue and price list.

The **METALLIC ROOFING CO., Limited**

1179 King Street West, TORONTO



CHURNS—The demand is fair. Discounts 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Business is fair. We quote: "New Leader," "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BELTING—A fairly good trade is to be noted. We quote as follows: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

BUILDING PAPER—The demand is brisk, with the supply of tarred lining unequal to the demand. We quote: Plain building, 28 to 30c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.45 to \$1.50 for 10 oz. and \$1.50 to \$1.60 for 16 oz. per 100 lb.

CEMENT—There is no change. Stocks are not heavy, but are sufficient for requirements. We quote in barrel lots: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.50; Canadian hydraulic cements, \$1 to \$1.10; calcined plaster, \$1.90; asbestos cement, \$2.50 per bbl.

LUMBERMEN'S SUPPLIES—There is a good demand for axes, and in all kinds of lumbermen's supplies there is a fair trade doing.

WARE—Enamel ware, while not particularly active, is in fair request. Stocks in dealers' hands throughout the country are fairly complete. Decorated enamel ware

for the holiday trade is being pushed just now. Tinware is just in moderate request.

SNOW SHOVELS—The demand is active at from \$2 to \$3.50 per dozen.

METALS.

The metal market is not as strong as it was, but it is still holding its own fairly well.

PIG IRON—There is some business being done. We hear of one transaction this week in which 500 tons of Hamilton iron were concerned. We quote: Hamilton iron on track Toronto at \$14.50 for No. 1; \$14 for No. 2, and \$13.50 for No. 3. United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80.

BAR IRON—Trade continues fairly good. Base price, \$1.45 from stock and \$1.35 from factory.

BAND IRON—Trade is moderate at \$1.65 to \$1.75 per 100 lb. for Canadian and \$2 for imported.

SHEET STEEL—The movement is still small. We quote as follows: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Still dull. We quote as follows: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—There does not yet

appear to be any perceptible falling off in the demand for galvanized iron. Two and three-ton lots are commonly called for. We quote: Queen's Head, 16 gauge, \$3.75; 18 to 24, \$4; 26 gauge, \$4.25; 28 gauge, \$4.50. American makes, 16 gauge, \$3; 18 to 24, \$3.15; 26 gauge, \$3.40; 28 gauge, \$3.75. In "Queen's Head," less than case lots, are quoted 25c. per 100 lb. higher than above figures.

INGOT COPPER—London cables were a little easier on merchant bars, but in New York, producers are conservative in their offerings for near future delivery, since the probable output for the balance of the year is largely under contract. Locally, trade is fair and quotably unchanged at 13 to 13½c. per lb.

PIG LEAD—The market is quiet, with the feeling rather easy. Locally, quotations are unchanged, 4c. still being the idea for imported lead.

LEAD PIPE—Trade keeps fair. We quote: Ordinary pipe, 7c., and composition waste, 7½c., with 25 per cent. discount.

IRON PIPE—The demand for iron pipe continues brisk, with some difficulty still being experienced in getting supplies. We quote as follows: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.25 to \$2.30; ½ inch, \$2.30 to \$2.35; ¾ inch, \$2.80; 1 inch, \$3.95; 1¼ inch, \$5.20; 1½ inch, \$6.75; 2 inch, \$9.10. Galvanized, ½ inch, \$3.95; ¾ inch, \$4.80; 1 inch, \$6.75; 1¼ inch, \$9.15; 1½ inch, \$11.75; 2 inch, \$16.

INGOT TIN—London cables were a little lower, but they had little effect on the markets on this side of the Atlantic, owing to the steady and fairly liberal consumption in the United States. On the Toronto market the idea for Lamb and Flag is 21½c. and for Straits 20½c., an advance of ½c. all round.

RANGE BOILERS—The demand is good. We quote: Galvanized, 30 gals. \$5.25; 35 gal., \$6; 40 gal., \$7; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES The demand has improved materially during the past week or ten days. We quote: All-bright, \$2.85 to \$3; half-polished, \$2.35; all-dull, \$2.25.

TIN PLATES—Trade is fairly good. We quote: \$4.75 to \$5 for I.C.; \$6 to \$6.25 for I.X., and \$7.25 to \$7.50 for I.X.X.

COIL CHAIN—This line is going out nicely. We quote: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ¾ in., \$2.80; ¾ in., \$2.75.

SHEET ZINC—The demand is good, and stocks are beginning to run low. Prices are firm. We quote: 7¼c. for cask lots and 7½c. for small lots.

ZINC SPELTER—Trade is quiet and prices steady at 5¾ to 6c. per lb. for foreign.

SOLDER—Trade is still moderate in solder. We quote: Half-and-half 13½ to 14c.; standard, 13 to 13½c.; wire, 13c.; wiping, 11½c.

PAINTS AND OILS.

There is little movement in any line. In fact, the demand is even quieter than usual at this time. There is no change in the price of any article on the primary markets, so prices here are unchanged. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lbs., \$4.75; ditto, No. 1, in casks of 560 lbs., \$4.50; genuine, in kegs of 100 lbs., \$5; ditto, in kegs of 100 lbs., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lbs.; 50c. per 100 lbs. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 51c.; boiled, 1 to 4 barrels, 54c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 56c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

The anticipated demand took place on Saturday last. The situation now is that window glass is so scarce that a large, assorted order could not be filled in Toronto. An order was sent to a local house, this

week, for 14 boxes, and, after a thorough quest, word was sent back that many of the sizes were not to be had in the city. We quote as follows: First break in 50-foot boxes, \$1.90 and in 100-foot boxes, \$3.65; double diamond under 25 united inches, \$5.25, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL

The condition is unchanged from last week. With the exception of iron all scrap is in good demand. We quote as follows: Agricultural scrap, 40c. per cwt.; machinery cast, 52c. per cwt.; stove cast scrap, 30c.; No 1 wrought scrap, 40c. per 100 lb.; new light scrap copper, 8c. per lb.; bottoms, 8c.; heavy copper, 8¼ to 8½c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2¼c.; scrap rubber, 3½ to 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—No change in price. Market weak. We quote: No. 1, 8½c.; No. 2, 7½c.; No. 3, 6½c.; cured, 9c.

CALFSKINS—We quote nominally; No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Shearlings and lambskins continue firm at 75 to 80c.

WOOL—There is little or nothing doing. Fleece is steady at 15c., unwashed at 10c.

SEEDS.

The conditions affecting the price of alike just now are unique. As a rule, farmers commence in November to market their alsike. Owing to favorable conditions this year, however, it is estimated that fully 75 per cent. of the total production has been marketed. The result is, that the large amounts being exported have tended to weaken the market on the other side of the water, and now sellers are often compelled to reduce prices to make sales. Jobbing-houses here are writing to their shipping agents throughout the country advising them

Lockerby & McComb

Manufacturers of

WOODENWARE of all kinds
WASHBOARDS, SLEIGHS
TOY CARTS, WAGGONS
CROKINOLE GAME
"CROQUET A SPECIALTY"

Factory, 144 Ann Street.

Office and Warehouse, 65 Shannon Street

MONTREAL

to restrain shipments as much as possible till New Year's. Only a small proportion of the red clover offering is suitable for export. Much of it is last year's crop, and is lustreless, and, in many cases, mixed with other seed. The demand is such that none but the extra choice to fancy is wanted just now. Medium and low grades are expected to be worth more in a couple of months than at present. Alsike is steady at \$2.50 to \$4.50. Red clover is quoted at \$3 to \$3.75 for last year's and \$3.50 to \$4.50 for this year's crop. The last-mentioned figure is only paid for the finest samples.

PETROLEUM.

The demand keeps brisk. Prices are unchanged. We quote at Toronto: Canadian, 13½c; Sarnia water white, 15c.; American water white, 16½c.; Pratt's astral, 16c., in bulk.

COAL.

Local shippers are talking more hopefully of a car supply, though it has not yet materialized. Prices are steady and unchanged. We quote anthracite at Buffalo bridges: Egg, nut and stove, \$4.25 and per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

MARKET NOTES.

Ingot tin is ½c. per lb. dearer.

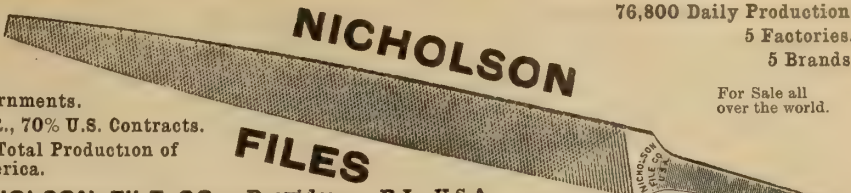
H. S. Howland, Sons & Co. have just put in stock Miller's harness dressing and polish.

Wholesale hardware merchants in Toronto are this week shipping a great deal of goods to the upper lakes.

HOW TO DO BRONZING.

In reply to a correspondent who wanted to know "how an amateur might do some bronzing," Sanitary Plumber says: "The simplest way we know of is to get some bronzing liquid and apply it with a brush. If you want to try your hand at preparing the bronzing, we have the following formula, which is going the rounds, and which we give for what it is worth: Dissolve copper filings in aqua fortis. When the copper has impregnated the acid, pour off the solution, and put into it some pieces of iron or iron filings. The effect of this will be to sink the powder to the bottom of the acid. pour off the liquor, and wash the powder in successive quantities of water. When the powder is dry, it is to be rubbed on the article with a soft cloth; but observe that previously to the application of the bronze powder, a dark, blackish sort of green is first to be laid on the article. If you wish the powder to adhere stronger, mix it with gum water, lay it on like paint with a camel's-hair brush, or previously trace the parts to be bronzed with gold size, and when nearly dry, rub the powder over it."

76,800 Daily Production.
5 Factories.
5 Brands.
For Sale all over the world.



NICHOLSON
FILES

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited.

Established 1773

Manufacturers of POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS. Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glas", St. Helens. Telephone No. 68 St. Helens.

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BARCLAY'S PATENT "TRIUMPH" Adjustable Stove Pipe

Can be put up by the most inexperienced.
So constructed that when taken down can be nested and stored in small compass.

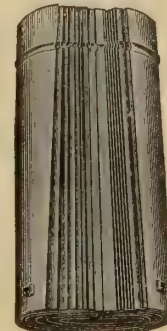
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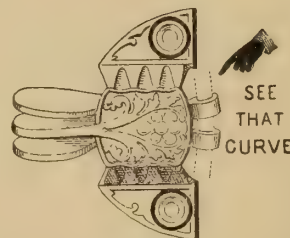
NESTED.



In Crates of 25.

The Philosophy of the Cooke Sash Lock:

- "A straight rod can't pass through holes that are not in line."
- "The Rod of the Cooke Sash Lock is straight."
- "The Holes in the lugs are never in line except when thumb pieces are pressed together."
- "You can't forget to lock securely; when your hand leaves the thumb pieces, the sash is locked."



COOKE HARDWARE CO.

HAMILTON, ONT.

Valves and Plungers

All sizes from one to six inches diameter.

WELL MADE AND DURABLE GOODS.



... Factory at Germantown Junction.

BERGER BROS. CO.,

Manufacturers,

Tinners' Hardware
and Roofers' Supplies,

Offices and Stores,
231 and 237 Arch Street

PHILADELPHIA, PA.

PERSONAL MENTION.

Mr. W. J. McMurtry, hardware merchant, Galt, was in Toronto looking for Snider rifles.

Messrs. Walter Cottingham, manager of the Canadian branch, and E. M. Richardson, Cleveland, manager of the marine department of the Sherwin-Williams Co., spent Wednesday in Toronto. They were on their way east from the Cleve-

land convention of the Sherwin-Williams Co.'s staff.

J. CODVILLE'S BUSINESS.

In the last issue of **HARDWARE AND METAL** it was stated that The Hobbs Hardware Co., London, had bought out the business of J. Codville, Woodstock. The item was taken from a western paper, but was incorrect. Gardner & Co., Woodstock, were the purchasers.

TRADE CHAT.

MR. HENRY CARGILL has let the contract for the building of a large elevator at Cargill Village, Ont., and when it is up and finished, Mr. Keeling intends to begin purchasing grain. Mr. Keeling expects that everything will be ready for business in the course of a month. —Walkerton Telescope.

J. E. Butler, carriage dealer, etc., Vittoria, Ont., has taken his son Frank into partnership. The business will now be conducted under the style of Butler & Son.

The Hamilton, Ont., Rolling Mills Co., have decided to commence the manufacture of horseshoes, and the plant will be considerably enlarged. Fifty more men will be given employment.

The Continental Binder Twine Works, which gave employment to 70 hands at Brantford, Ont., have been removed to Montreal. The machinery in the Brantford works will be offered for sale.

The merchants of Hartland, N.B., have all agreed upon closing at 8 o'clock every night except Saturday. This will continue in force until spring, with the exception of two weeks previous to Christmas.

A natural gas well has been struck on a farm in Tilbury North, near Chatham, Ont. The flow of gas is strong enough to lift a hundred-pound weight and throw a stream of water fully 70 feet high. The roar of the escaping gas can be heard many miles.

The Kirk-Latty Manufacturing Co., of Cleveland, O., manufacturers of tacks, trunk lasts, small nails, wire and cut nails, stove bolts, tire bolts, and machine screws, have decided to establish a branch in Canada, and are looking for inducements.

The Dominion Government have placed with the Kingston, Ont., Locomotive Works Co., an order for five large ten-wheel engines. This company is now finishing three locomotives previously ordered. They have contracts for 11 engines altogether.

Pigot & Bryan, wholesale and retail crockery dealers, of London, have sus-

pended. The difficulty is said to be owing to the death of Mr. Pigot, the head of the business. The firm did a large trade, and has always been considered sound financially, having been rated from \$35,000 to \$45,000, with first-class credit.

On Monday, the convicts at the central prison began the manufacture of binder twine, after a rest of about a year. The machines for the manufacture of rope are all in position, and, within a short time, between 70 and 80 men will be at work manufacturing rope.

A Sheffield, Eng., firm has commenced to manufacture a steel harness trace. The trace consists of a narrow ribbon of steel from $\frac{3}{4}$ to 1 inch wide, rolled very thin and cased in leather. It is about twice as strong as the ordinary leather trace, is 20 per cent. cheaper and just as pliable.

STORY ABOUT JAY GOULD.

A farmer had a herd of cattle, and Jay Gould went to look at it. In the midst of the bantering, a woman appeared, who had a little talk with the farmer. Gould caught a word now and then: "Now don't, husband, I beg of you not to; if you have any regard for me, don't. I shall die if you do." "What's the matter with that woman?" said Gould. "Oh, nothing—my wife has a favorite cow; she is called 'Old Pailful,' and the woman is afraid I'm going to sell her." The woman hung round, and, of course, Gould demanded that "Old Pailful" should be brought out. She was a picture, and the young trader said that the cow must go with the lot if he made the purchase. The cows were driven home, and the father sent Jay out to see what kind of a milker "Old Pailful" was. He had scarcely seated himself, before the cow threw him, pail and stool, sky-high; she tore around the pasture, leaped the fence, and started for home. Ever after, Gould never bought anything that a woman wanted to keep for herself.—Stamford (N. Y.) Mirror.

BACK FROM U.S. IRON CENTRES.

Mr. W. McMaster, manager of The Montreal Rolling Mills Co., was in Toronto on Wednesday, en route home from a two weeks' visit to some of the manufacturing centres in the United States.

"I suppose you have been picking up ideas?" I ventured.

"Well, yes," he replied, "and I can tell you, there are a great many ideas to be picked up over there. They are a wonderful people, and are developing rapidly. It is three years since I made my last trip to the iron manufacturing centres in the United States, and, to me, it almost appears they have developed as much during those three years as they did in the fifteen years preceding. And they are but merely beginning their export trade. The manufacturers there do not appear to hesitate in regard to cost when new and better machinery is considered. Without hesitation they throw out thousands of dollars worth of machinery when something more modern is to be had. 'We must have the best,' seems to be their cry."

COST OF STEAM IN 1870 AND 1897.

One of the most interesting papers recently read before the American Society of Mechanical Engineers, according to a contemporary, was presented by F. W. Dean, on the decrease in the cost of steam power between the years 1870 and 1897. This was shown to amount to nearly 40 per cent. Seventeen per cent. of this is attributed to the use of multiple cylinder engines, steam jacketing, higher steam pressure and superheating the steam. Five per cent. is due to the use of vertical engines, 7 per cent. to improved boilers, 7 per cent. to economy realized in heating the feed water, and 2 per cent. is put down to the credit of improved construction of grates. Taking the best performances of the two periods named, the least consumption of steam per horse-power per hour in 1870 was 20 pounds, whereas the best for 1897 was 12½ pounds.

John Bowman Hardware and Coal Co.

180 to 182 York St. = LONDON, ONT.

Headquarters for SMOKELESS POWDERS

BLUE RIBBON HAZARD

SCHULTZE HARD GRAIN

GOLD DUST

Also full line new Guns, Sporting Goods, Etc.

LARGE STOCK

PROMPT SHIPMENT

CLOSE PRICES



Ontario Nut Works, Paris

BROWN & CO.

Manufacturers of

All sizes of Hot Pressed
Nuts, Square and Hexagon**KNOX HENRY.**Heavy Hardware and Metal Broker
Room 220 1/2 Board of Trade, MONTREAL.**SPECIALTIES**—C Brand Horse Nails—Canada
Horse Nail Co.**BOLTS**—Tire and Stove Rivets of all kinds—
Chalcraft Screw Co.**BRASS GOODS**—Gunn Costor Co., Limited,
Birmingham, Eng.**English Castor Oil**

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second PressureIn cases of 2 tins and in barrels. Stocked
by all Hardware, Oil and Color men.The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.

Agents for Canada

MONTREAL

ADAM HOPE & CO.

30 JOHN STREET

Hamilton

Offer for sale ex Store and
to arrive**PIG TIN**

Boustead & Co's Brand.

Straits Brand.

Lamb and Flag Brand.

Market Strong.

WIRE FOR PRICES

**BOLTS STOVE
TIRE****RIVETS OF ALL KINDS.**Montreal Agent—**KNOX HENRY,**
Board of Trade Bdg.Toronto Agent—**LOUIS HUFFMAN,**
1634 King Street West.**CHALCRAFT
SCREW CO.****BRANTFORD, ONT.**

We are the Oldest and Largest Manufacturers of

**SCREWS and
BICYCLE PARTS**in the Dominion. You know what that means, that if you
want proper goods at proper prices you should write us,
which please do if interested.

The...

John Morrow Machine Screw Co.
Ingersoll - Ontario.**MOUSE
TRAPS**

Delusion, Metallic,

Snap Shot and Out o' Sight.

Cold Blast Lanterns**E. T. Wright & Co.**

Manufacturers

HAMILTON, CAN.

ABOUT HORSE-NAILS:—

Two-thirds of one cent represents very fairly, the total amount a farrier will apparently save on the average cost of nails consumed in shoeing a horse, by using the cheapest grade, and lowest priced horse nails sold in Canada, as compared with the cost of the best obtainable, viz.: the old and reliable "C" brand.

A 25-lb. box of No. 8 "C" brand oval head horse nails contains about 2,500 nails, which quantity will be sufficient to shoe seventy-eight horses, allowing 32 nails to each full set of shoes. The farrier will receive at least one dollar and twenty-five cents as his charge for each set of shoes; in some localities more; the total value of his services for shoeing 78 horses, will therefore, at current rates, average about one hundred dollars; on this amount it is possible he can reduce the cost of material used by about fifty cents, in substituting a box of "cold process" or other cheap grade horse nails, which are made from American Steel Wire Rods. This reduction in cost represents about two-thirds of one cent on each set of shoes; or one-half per cent. on the value of the work when done! We believe if these facts were made known, that every intelligent farrier in Canada, who takes a pride in doing only the best work, would not hesitate to pay such a trifling advance as two-thirds of a cent for the "C" brand nails, which we claim are not only the best in Canada, but are not surpassed by any other maker in the world. We have made and sold horse nails exclusively in Canada for the last 33 years, always using the best quality of Swedish Charcoal Iron Nail Rods as our material, and by our process of manufacture producing as perfect a nail as possible in quality, pattern and finish. A reduction in cost of manufacture by using other than the best Swedish material, or the "hot-forged" process, is effected at the expense of quality. Our nails will be found easier to drive, to prove tougher, and hold the shoe on longer than others; therefore more economical to use. Every nail we sell you under the "C" brand is fully warranted to be perfect; therefore no risk in buying, nor trouble in selling them. It is false economy to purchase "cheap" nails; the best are always the cheapest.

—You can do all your horse nail business with the "C" brand. Why keep two stocks on hand? When your orders are sent through any hardware merchant, always insist upon having our nails, and refuse all substitutes. If you cannot obtain the "C" brand, please advise us. Our name and brand is on each box of our manufacture; none otherwise are genuine. Prices and samples on application.

CANADA HORSE NAIL COMPANY**MONTREAL.**

BUSINESS CHANGES.**DIFFICULTIES, ASSIGNMENTS, COMPROMISES.**

P. Sirois, general merchant, Riviere St. Jean, Que., has assigned.

M. Searles, general merchant, Frankford, Ont., has obtained an extension.

E. C. Bush, general merchant, Swan Lake, Man., is "reported away."

Thos. W. Shaw, foundryman, Victoria, has satisfied a chattel mortgage for \$2,000.

C. A. Leger, general merchant, Lake Megantic, Que., is offering offering to compromise.

C. E. Sasseville & Frere, general merchants, Ste. Anne des Monts, Que., have assigned.

A meeting of the creditors of C. A. Leger, general merchant, Lake Megantic, Que., has been called.

Narcisse Brault, general merchant, North Stanbridge, Que., has compromised at 25c. on the dollar, cash.

Robert McPherson, harnessmaker, Bluevale, Ont., has assigned to Wm. Messer, Wingham, Ont., and a meeting of his creditors will be held on Nov. 25.

Donald McEachren, general merchant, Clifford, Ont., has assigned to James Brophy, Toronto, and a meeting of his creditors will be held on November 25.

PARTNERSHIPS FORMED AND DISSOLVED.

The Alexander Co., general merchants

and fish dealers, Point St. Peter, Que., have dissolved.

Lavery & Boucher, tinsmiths, Abercorn, Que., have dissolved.

Pooley & Courtemanche, manufacturers of buggy tops, Montreal, have dissolved.

Partnership has been registered by Moreau & Desjardins, blacksmiths, Montreal.

Chas. A. and Theophile Genest have registered partnership under the style of Genest & Frere, wood and coal dealers, Montreal.

The business of Walker, Hanson & Rogers, hardware dealers, Middleton, N.S., has been dissolved, and O. A. Rogers will continue in his own name.

SALES MADE AND PENDING.

Nathaniel Leonard, wagon maker, Westbrook, Ont., has sold out.

The assets of Pierre Maltais, general merchant, Murray Bay, Que., are advertised for sale on November 30.

The crockery of the estate of J. T. Russell, hardware dealer, etc., Toronto, is advertised for sale by auction on the 29th inst.

CHANGES.

Lemiel Milk has commenced business as blacksmith in Kingston.

Martin Bros., sawmillers, Harrison River, B.C., have sold out to Tretheway Bros.

The Non-Magnetic Asbestos Co., Pointe

au Chene, Que., have sold their mining rights.

DEATHS.

James Ervin, blacksmith, Shubenacadie, N.S., is dead.

Ferdinand Morrisette, general merchant, St. George, Que., is dead.

GOLD MEDAL FOR FILES.

The Nicholson File Co., of Providence, R.I., was awarded the gold medal for their exhibit of files and rasps at the Omaha Exposition. The judgment of the examiners was unanimous, and was based upon the general excellence of the quality and appearance of the files and rasps of this company.

The Nicholson File Co. has always been a successful exhibitor at the prominent expositions, and has in its office an interesting collection of medals and awards secured by the superior quality of their goods. The awards mention besides the general excellence of the files, the particular merits of hard temper, sharpness and strength of teeth, and uniformity of quality. Different countries are represented in the awards, the Nicholson Co.'s files being sold all over the world, and having been exhibited in several of the most prominent foreign expositions. They seldom, however, advertise the fact of their having received so many awards, as they tersely put it: "It is not the medals, but the orders, which we accept as being the best gauges of the merits of our product."



Revised 7/14/98
M. & B. R.D.
Julius B. B. B.

HELPING YOUR REPUTATION.

The ordinary detachable tire has a stiff wire edge. That makes it hard to manipulate. The rider has to be an expert to get satisfaction. That kind of a detachable tire will hurt the man who sells it.

The "G. & J." Tire does not use a wire edge. It has a "second groove" in the centre of the rim, where the rim is strongest. This groove does the work of holding the tire on—the edge of the tire is pliable rubber. Any rider can detach the "G. & J.," no matter how weak his fingers are.

The "G. & J." Detachable is the only detachable tire worth considering for 1899. It will help your local reputation. Pump it once a month—it has Goodrich rubber. Get a pair on one of your sample wheels. Write



American Tire Co., Limited

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PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

CANADA.---Wanted energetic AGENT for Canada,

on commission, by Joseph Rodgers & Co., Rio Works, Sh field, England. Only those with first-class connection need apply. Address, with full particulars as to connection, etc., direct to the firm. (48)

SPORTSMEN

NOTE

THE ABBEY IMPROVED CHILLED SHOT NEWCASTLE, ENGLAND.

Is made by a NEW PROCESS, and is highly spoken of by Sportsmen and sporting Papers. Kills at greater distance than Soft Shot. Gunmakers wishing repeat orders should load with this shot.

America's FAMOUS Washing Machine.

Manufactured by the

Toronto Special Machinery Co.

154 Spadina Ave., Toronto, Ont.

This is the only Practical Washer on the market. Actual trials have proved that it will wash cleaner, more easily and quickly, with less wear on the clothes, than any other machine in use. SEND FOR PRICES AND TERMS TO DEALERS.

ISLAND CITY Paint and Varnish Works

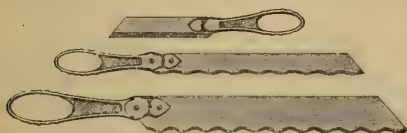
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WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.

WORKS 274 St. Patrick St., MONTREAL.

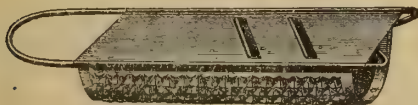
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No. 1 Bread Knife Set.

One each, Bread, Cake and Paring Knife, malleable handles firmly riveted to steel blades, will cut hot or cold bread without crumbs. Each set in paper box.

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Combined Grater and Slaw Cutter.

The only one; slicer and grater are detachable; slicer sheet made of Apollo galvanized iron with steel cutting blades. It will slice cabbage apples, potatoes, cucumbers, onions, turnips, beets, and everything in the vegetable line. It is a time and labor saver; is used in the kitchen every day.



Famous Parer and Slicer.

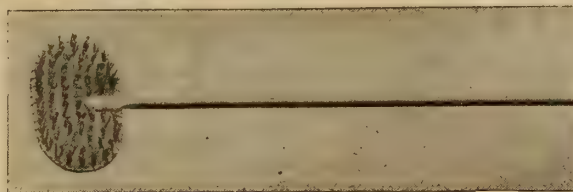
Polished beech handle, nickel plated steel blade and ferrule, takes off an even peel, easily sharpened and cleaned. The best paring knife for potatoes, apples, pears, turnips, quinces and firm peaches. Write for our catalogue.

Sole Canadian Agents, Equire, Watson & Co., Montreal, Canada; Chas. E. Santo, London, Canada.

ILLINOIS CUTLERY COMPANY,
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lay in a Stock of...

CHAMPION FURNACE BRUSHES



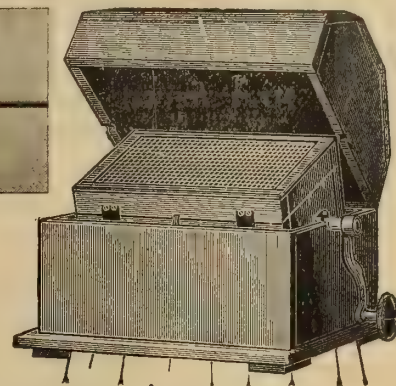
Steel Block—Steel Brush—Steel Handle—ALL STEEL.

Also of.. Champion Cinder Sifters

The best sifter in the market. No dust—easy to work. Never gets out of order, and cleans cinders perfectly. Send for prices.

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STEVENS IDEAL, NO. 44.



This is as reliable and accurate a rifle as can be constructed. Placed at a moderate price to meet the demand for such a rifle. It is recommended without qualification and fully guaranteed.

anted. Made in the following styles:

.22 Long-Rifle R. F., 25 Stevens R. F., and .32 Long R. F. Standard length of barrel for rim-fire cartridges, 24 inches. Weight 7½ pounds.

.25-20 Stevens C. F., .32-40 C. F., .38-55 C. F., and .44-40 (.44 W. C. F.) Standard length of barrel for center-fire cartridges, 26 inches. Weight, 7¾ pounds.

Half-octagon barrel, oiled walnut stock and fore-arm, rifle butt, case-hardened receiver, sporting rear and Rocky Mountain front sight.

Price, with standard length of barrel, \$13.00.

Can be obtained of any of the leading jobbers in Canada at liberal discount from this price.

Send for complete catalogue of our full line of Rifles, Pistols and Machinists' Tools.

J. Stevens Arms & Tool Co., P. O. Box 217, Chicopee Falls, Mass., U.S.A.

Woodenware and Grocers' Sundries.

What do you lack in Woodenware—your customers will want to use all sorts of articles in woodenware, especially during the holidays when feasting is at the top notch of interest. Pails, tubs, butter bowls, chopping trays (for the mince meat), rolling pins, wooden spoons—we have them all, and each one is the best of its kind for the price we ask.

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HEATING AND PLUMBING

FLOW AND RETURN PIPES.

A CORRESPONDENT of Sanitary Plumber recently sent the following question to that journal :

"There is a difference of opinion between a shopmate and me on the proper names for the hot and cold-water pipes between the range, boiler, and the water-back in the range. He contends that the cold-water pipe should be called the flow pipe, and the hot-water pipe the return. I claim differently ; that the terms flow and return, in a domestic water supply, should apply to the hot-water service through the house only—the flow pipe meaning the supply of hot water from the range boiler to fixture and the return pipe the circulation pipe. Which of us is right?"

The answer given was as follows :
"There is a difference of opinion among plumbers in regard to the terms in use in connection with hot and cold water service in dwellings, and we do not pretend to settle it by recording ours. But we are inclined to favor the party opposed to our correspondent, and for this reason : The range boiler is not a boiler in any sense, although erroneously called so. It is a reservoir for water only, and its function is to hold a quantity of water to be heated and distributed through the several fixtures. The water supply comes through the ordinary cold supply-pipe. The reservoir (or boiler, if you will) is full of cold water, which must be heated for domestic purposes. How is that to be done? By having the cold water flow from the range boiler through a pipe into the water-back in the range, where it is heated, but where it cannot remain, because it is forced out of the water-back through another pipe, and made to return in a heated condition to the range boiler, whence it is afterwards distributed through the various fixtures in the building. Now, it appears to us that the pipe through which the cold water flows into the water-back from the lower portion of the range boiler is, in the truest sense, the flow pipe. Why not call it so, then? In the same manner, the water, after being heated, is made to return to the boiler by what is, for short, spoken of as the hot-water pipe. Why should not this pipe be called the return pipe? We see no good reason for this, no more than applying the word boiler to the range reservoir, which is not in any sense a boiler, but is merely a storage receptacle. The water-back is in reality

the boiler, because it is there that the heat is imparted to the water, and this alone would convey an association of ideas that of the two articles—the range boiler and the water-back—that wherein the change to a higher temperature is effected comes nearer to the conception of a boiler than the other, which merely holds the water for use. In the distribution of the hot water through the fixtures in the upper floors, the terms flow and return are differently applied, the flow being the hot-water supply-pipe, and the return (or circulation) being the pipe that returns to the reservoir the water which has not been drawn off on the upper floors, and, being cooled, is returned, to be again passed through the water-back. Our correspondent has, we think, the weak side of the argument."

TORONTO BUILDING PERMITS.

BUILDING permits have been granted, in Toronto, to John Ewing, for three two-storey residences at 30, 32 and 34 Aston avenue, to cost \$3,600, H. R. Barber, architect ; to J. W. Parks, for a two-storey and attic brick residence on Delaware avenue, north of College street, to cost \$3,500, F. H. Herbert, architect ; to Chas. Stark, for a two-storey and attic brick residence on Maple avenue, to cost \$5,000, architect F. H. Herbert ; to James Henderson, for a two-storey and attic brick residence on Maple avenue, to cost \$4,500, F. H. Herbert, architect ; to John Morrison, for a two-storey and attic brick residence on Jarvis street, near Bloor, to cost \$6,000, F. H. Herbert, architect ; to Dr. G. S. Ryerson, for a two-storey and attic residence on Bloor street near Spadina road, to cost \$8,000, F. H. Herbert, architect ; to Maggie A. Marshall, for three attached two-storey and attic brick residences at 182, 184 and

186 Major street, to cost \$7,500, J. R. Marshall, architect. The total value of the permits issued this week is \$38,100, a large figure when it is remembered that all the buildings are to be used as residences.

WATERWORKS AND SEWERS.

McConnell & Marion, civil engineers, Montreal, have been selected as experts to inspect the waterworks and sewerage systems of St. Lambert, Quebec, before their acceptance by the municipality.

SHOULD THERE BE A TRAP IN THE MAIN HOUSE-DRAIN ?

THE trap question is something that, like Banquo's ghost, "will not down." It bobs up serenely under a variety of circumstances, but mainly in connection with sewer ventilation, where the absence of the trap is certain to be quoted as affording a ready means of solving the problem, writes Hilton Bell in Sanitary Plumber.

There are many reasons offered time after time by advocates of the anti-trap sentiment, who go so far as to suggest that a rule should be enforced against the use of the trap on the ground of its being a nuisance, an elongated cesspool, as it were, a preventive of air currents passing through the pipes, etc. Admitting that every house-drain trap is a nuisance, I am not prepared to allow that it always accomplishes vastly more harm than good. The theory that each house-drain and soil pipe should be a pore, aiding in the respiration of the sewer system, is a pleasing one. Such is the aim in omitting the trap on the house-drain. I am decidedly in favor of this plan for separate sewers where flushing is practised, and for some other

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

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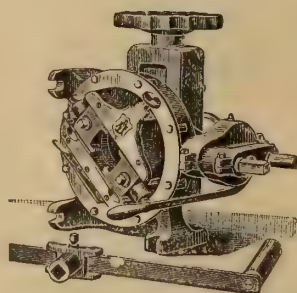
Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

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New No. 0 Threading Machine.

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Steam Traps, Separators
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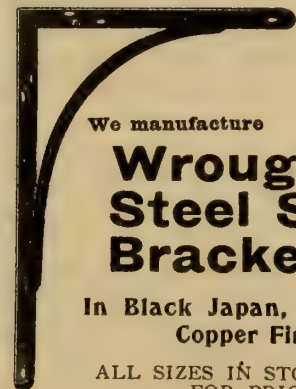
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Valves and appliances for

STEAM and HOT WATER HEATING.

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Wrought Steel Shelf Brackets

In Black Japan, Nickel and
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Standard Steel Toe Calks



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Sizes—No. 0 to 7, 1½ to 3 inches. Price \$1.00 Per Box of 25 lbs.
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cases, but I cannot admit that the condition of some of the old, poorly-designed and worse cared-for combined sewers, which, in some places, exist, warrant this intercommunication between the vile street-basins and stagnant sewers (well termed "elongated cesspools") and our dwellings. That the sewers should ever be in such condition as to make necessary their isolation from our houses is most deplorable, but that they sometimes are is equally certain. On the other hand, I recognize the inconvenience and disadvantage of a trap on the house-drain, but, as it is admitted that where a fair fall exists in the house-drain, and the trap is properly designed and connected, it may be but a slight evil. I cannot admit that this evil is never outweighed by conditions more unfavorable where it is omitted. (Of course, where the trap is inserted a fresh-air inlet should enter the drain close to the trap on the house side. In this climate we need experience no difficulties with this inlet if it is properly arranged.) It is useless here to review arguments previously advanced for and against the trap on the drain. That strong arguments have been presented on both sides seems to imply that the local conditions must decide the case.

I give a few cases where the trap may be used; there may be others: 1. Where the house-drain discharges in a cesspool. 2. Where the sewers are more foul than a well-ventilated house-drain and soil-pipe should be. 3. Where house-drains enter combined sewers in such a manner that their outlets may be closed by the flow in the sewers. If the house-drain enters the sewers at or near the springing line, it will frequently be closed by the flow, while, if it enters at the soffit, the sewers must be sunk deeper in the ground, and will be impassable. 4. Where sewers are, at times, tide-locked. Where the conditions mentioned in 3 and 4 occur, we recognize the familiar illustration of a bottle with the cork out, and, consequently, no ventilation; there must be an inlet.

The question is asked, should not a plumbing code provide for trap contingencies? I answer: No rigid code can be justly applicable to all cases. An intelligent head must adapt it to exceptional conditions. Without this flexibility the best results can never be obtained. If the health board is to supervise the plumbing, I believe that the approval of plans and specifications before the work is begun is indispensable, when the use or otherwise of the trap could then be made a condition to be fulfilled or avoided. It is not justice to the plumber to ask him to finish his system before telling him it is wrong and must be changed, and it would be foolish in him to submit to such an exaction.

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a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.

We have added a large moulding shop to our establishment, and are making a specialty of fine castings.

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Quotations gladly given.



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"JARDINE" TIRE UPSETTERS WILL UPSET TIRES

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

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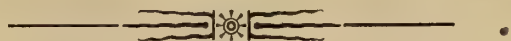
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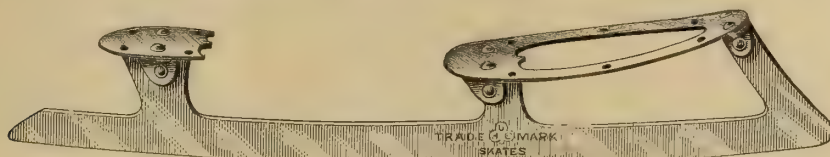
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These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH**, which is guaranteed. **WEIGHT**, which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT and HANG** for ease of stroke and cutting corners.



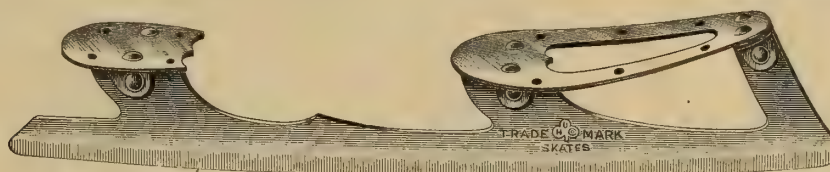
Plain Runner, Straight.



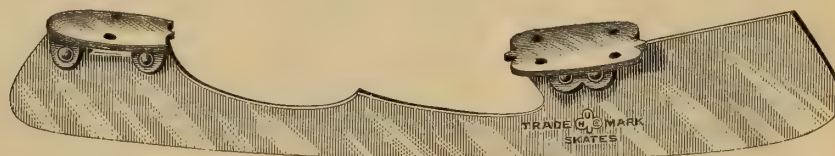
Plain Runner, Curved Blade.



Ribbed Runner.

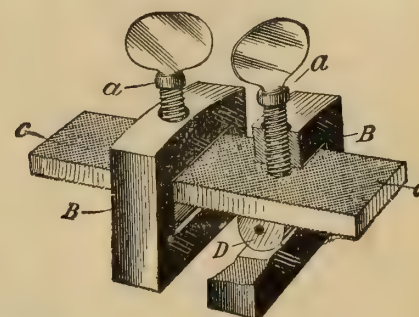


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WARNOCK'S Axes and Edge Tools stand without an equal in the Canadian market. Every tool bearing our name is Guaranteed. When ordering always specify Warnock's Tools, then guarantee them to your customers.

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CURRENT MARKET QUOTATIONS.

November 25, 1896

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

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M.L.S., equal to Bradley. Per box.
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D.X. 3 75
D.X.X. 5 75

NOTE.—Other brands might be shaded by 25c per box.
Coke Plates—Bright.
Bessemer Steel—
I.C., usual sizes 3 00
I.C., special sizes, base... 3 15
20x28 6 00 6 25
Charcoal Plates—Terne.
Dean or J. G. Grade—
I.C., 20x28, 112 sheets 6 00
I.X., Terne Tin 7 50
I.C., Orion 6 00
I.X., Orion 7 25 7 50
Charcoal Tin Boiler Plates.
Cookley Grade—
X.X., 14x56, 50 sheet bxs }
" 14x60 " } 0 05½ 0 06
" 14x65, " }
Tinned Sheets.
72x30 up to 24 gauge 0 05½ 0 06
" 28 " 0 06½ 0 06¾
" 28 " 0 07½ 0 07¾

Iron and Steel.

Common Bar, per 100 lbs 1 45
" from factory " 1 35
Refined " 1 60
Horse Shoe " 1 65 1 70
Band " 1 65 1 75
Hoop " 2 00
Swedish " 4 00 4 25
Sleigh Shoe Steel " base 1 75
Tire Steel 1 75
Machinery 1 85 1 95
Cast Steel, per lb 0 10 0 14
Thos. Firth & Sons' Cast Steel 0 12 0 14
Russian Sheet, per lb 0 10½ 0 11
Tank Plates, 1-5 and thicker. 2 00 2 25
Boiler Rivets 4 50 5 00

Boiler Tubes.

1½ inch 0 06½
2 " 0 07½
2½ " 0 09½
" 0 11

Steel Boiler Plate.

-16 inch 2 00
" 1 90

¾ inch and thicker 1 75

Sheet Iron.

16 gauge and heavier 2 50 2 70
18 to 20 gauge 2 25 2 50
22 to 24 " 2 31 2 40
26 " 2 40 2 50
28 " 2 50 2 60

Canada Plates.

All dull, 52 sheets 2 25
Half polished 2 35
All bright 2 85 3 00

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ¾ inch, \$1.25 to \$1.31; ½ inch, \$2.35 to \$2.40; ¾ inch, \$2.80; 1 inch, \$3.95; 1½ inch, \$5.20; 2 inch, \$6.75; 2½ inch, \$8.11.
Galvanized Galvanized ½ inch, \$3.95; ¾ inch, \$4.87; 1 inch, \$5.75; 1½ inch, \$9.15; 2 inch, \$11.75; 2½ inch, \$14.60. Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p. c.

Galvanized Iron.

16 gauge 3 01 3 75
18 to 24 gauge 3 15 4 00
26 " 3 41 4 25
28 " 3 75 4 50

Chain.

Proof Coil, 3-16 in., per 100 lbs 25
" ¼ " " 4 65
" 5-16 " " 3 75
" ¾ " " 3 25
" 1 " " 2 85
" 1½ " " 2 75
" 2 " " 2 75
" 3 " " 2 63
Trace, per doz. pairs 3 60 5 90
Jack chain, iron, single, per doz. yards 0 13 0 50
Jack chain, double, per doz. yards 0 15
Jack chain, brass, single, per doz. yards 20 10

Copper.

Ingot.
English B. S., ton lots 0 13 0 13½
Lake Superior
Bolt or Bar.
Cut lengths, round, ½ to ¾ in. 0 20 0 22
" round and square 1 to 2 inches 0 19½ 0 20
NOTE.—Complete, lengths about 15 feet from 18½ to 19 cents a pound.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60 0 16½ 0 17½
Untinned, 14 oz., and light, 16 oz., irregular sizes 0 16½ 0 17½
NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.
Planished and tinned, 14x48 and 14x60 0 25 0 27
Braziers. (In sheets.)
4x6 ft. 25 to 30 lbs. ea., per lb. 0 17½
" 35 to 45 " 0 17
" 50-lb. and above, " 0 16½
Boiler and T. K. Pitts.
Plain Tinned, per lb 0 21
Spun, per lb 0 25

Wire.

Pure, in coils—
From 1 to 20 gauge, 12½ p. c. off list.
From 20 gauge up, 12½ p. c. off list

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 27½ p. c. off list.
Sheet, hard-rolled, 2x4 18 0 20
Tubing, base, per lb 0 21 0 22

Zinc Spelter.

Foreign, per lb 0 05½ 0 06
Domestic " 0 04½ 0 05

Zinc Sheet.

5 cwt. casks 0 07½
Part casks 0 07½

Lead.

Imported Pig, per lb 4 00
Domestic, per lb 0 03½
Bar, 1 lb. 0 05
Sheets, 2½ lbs. sq. ft., by roll. 0 05 0 05½
Sheets, 3 to 6 lbs., per sq. ft., by roll. 0 04½ 0 05
NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists 7 cents per lb. and 25 per cent. discount.
NOTE.—Cut lengths, net price, waste pipe. in 8-ft. lengths, lists at 7½ cents.

Solder.

Bar half-and-half 0 13 0 13
Refined 0 12½ 0 13
Wiping 0 12 0 12½
NOTE.—Prices of this graded according to quantity. The prices of other qualities or solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb 0 10 0 11
Other makes, per lb 0 09 0 09½

White Lead.

Pure, Assoc. guarantee, ground in oil, 25 lb. irons 5 75
No. 1 do 5 7½
No. 2 do 5 00
No. 3 do 4 6½
No. 4 do 4 2½
Robertson's Chemically Pure 5 75
Munn's Select Flake White 6 00
Elephant and Decorators' Pure 5 75
Brandram's B. B. Genuine 7 75
" No. 1 7 00
James genuine 6 95
" No. 1 6 45

White Zinc Paint.

Elephant Snow White 0 07
Pure White Zinc 0 07
No. 1 0 06½
No. 2 0 05½

Dry White Lead.

Pure, casks 0 04½
Pure, kegs 0 04½
No. 1, casks 0 04½
No. 1, kegs 0 04½

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)
Pure, per gallon 1 00
Second qualities, per gallon 0 90
Barn (in bbls.) 0 70 0 90
The Sherwin-Williams Paints 1 20
Canada Paint Co's Pure 1 00 1 10
Robertson's Pure 1 00 1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)
Venetian Red, per lb 0 07
Chrome Yellow 0 11
Golden Ochre 0 06
French 0 05
Marine Black 0 09
Green 0 09
Chrome 0 08
French Imperial Green 0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt 1 35 1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt 2 75
Yellow Ochre (Royal), per cwt 1 10 1 15
Brusels Ochre (best), per cwt. 1 80 1 90
Venetian Red (best), per cwt. 1 80 1 90
English Oxides, per cwt. 3 40 3 25
American Oxides, per cwt. 1 75 1 90
Canadian Oxides, per cwt. 1 75 1 90

Burnt Sienna, pure, per lb. 0 10
" Umber, " 0 10
" aw 0 09
Drop Black, pure 0 09
Chrome Yellows, pure 0 18
Chrome Greens, pure, per lb. 0 12
Golden Ochre 0 03½
Ultra marine Blue in 28-lb. boxes, per lb. 0 08 0 24
Fire Proof Mineral, per 100 lb. 1 00
Genuine Eng. Litharge, per lb 0 07
Mortar Color, per 100 lb. 1 25
James' Gen. Red Lead, 100 lb 0 04½
Pure Ind an Red, No. 45, lb. 0 08
Whiting, per 100 lb. 0 50

Paris Green.

Pure, in bbls.
250 lb. casks
50 lb. drums
1 lb. packages
½ lb. "
¼ lb. "
1-lb. tins
Sulphate of Copper. 0 04½
Casks, for spraying, per lb.
100-lb. cases, do, per lb.

Putty.

Bladders in bbls. 1 80
Bladders in 100 or 200 lb. kegs or bxs 1 95
Bulk in bbls., per 100 1 85
Bulk in less quantities 1 80
25-lb. tins, 4 in case 2 65
12½-lb. tins, 8 in case 2 30
Quotations to b. Toronto—10c. per 100 lbs. extra Hamilton, London, Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In bbls.) per gal
Carriage, No. 1 1 80
Extra do. 2 50
Body Varnish 4 10
Furniture Varnish 0 15
Extra do. 0 90
Demar Varnish 1 60
Hard Oil Finish 1 40
Orange Shellac Varnish 2 00
White Shellac 2 20
Rubbing Varnish 2 50
Polishing Varnish 2 50

Linseed Oil.

Raw, per gal. net 0 60
Boiled, per gal. net 0 53
Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net 0 55
Outside points 1c. more

Castor Oil.

In cases, per lb 0 10½
Small lots 0 11½

Cod Oil, Etc.

White, extra 0 50 0 55
Pure Olive 1 20
Neatsfoot 90

Glue.

(In bbls.)
Common 0 08½ 0 09
French Medal 0 12 0 12½
Cabinet, sheet 0 11 0 12
White, extra 0 16 0 18
Gelatine 0 22 0 30
Strip 0 16 0 18
Coopers 0 19 0 20
Al clear 0 30 to 25
Liquid Glue—F. LePage's, discount 25 to 30 per cent off list; Munn's, discount 25 to 30 per cent. off list.

HARDWARE.

Ammunition.

Cartridges.
R. B. Caps. Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18-p. Amer.

entral Fire Cartridges, pistol sizes, Dom 30 per cent.
Central Fire Cartridges, Sporting and Military, Dom. 15 and 15 per cent.
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
Canadian, common, 7½ per cent.
Brass shot shells, 55 and 10 per cent.
Pamers, Dom., 30 per cent.
Wads.

Best thick white felt wadding, in ½-lb bags, 1 00
Best thick brown or grey felt wads, in ½ lb. bags, 0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges 0 99
Best thick white card wads, in boxes of 500 each, 10 gauge, 0 35
Best thick white card wads, in boxes of 500 each, 8 gauge, 0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges, 0 20
Thin card wads, in boxes of 1,000 each, 10 gauge, 0 25
Thin card wads in boxes of 1,000 each 8 gauge, 0 25
Chemically prepared black edge grey cloth wads, in boxes of 250 each—
11 and smaller gauge, 0 60
9 and 10 gauges, 0 70
7 and 8 gauges, 0 90
5 and 6 gauges, 1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
11 and smaller gauge, 1 15
9 and 10 gauges, 1 40
7 and 8 gauges, 1 65
5 and 6 gauges, 1 90

Anvils.
Per lb. 0 10 0 12½
Anvil and Vice combined, 4 50
Wilkinson & Co.'s Anvils, lb. 09 0 09½
Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
Gilmour's, discount 65 p.c. off revised list.
Hollow Stearn's, per dozen, 13 00 20 00
Adjustable Stearn's, each, 4 50 6 50
Post-hole, Vaughan's, each, 60 90
Excelsior, Jennings, discount 50 per cent.

Awls.
Sewing, per gross, 0 65 1 59
Pegging, " 0 65 1 25
Brad, " 0 85 1 60
" handled, per gross, 3 60 30
Saddler's, per gross, 0 45 1 60

Awl Hafts.
Patent Peg, per gross, 7 25 8 00
Sewing, per gross, 7 25 8 00

Awl and Tool Sets.
Millar's Falls, per doz., 2 80 3 30

AXES.
Splitting Axes, 5 25 5 50
Chopping Axes—
Single List, per doz., 6 00 12 00
Double List, " 11 00 18 00
Bench Axes, 40 and 10 p.c.

Axle Grease.
Per gross, 6 00 13 00

Bath Tubs.
Zinc, discount, 3 90 4 00
Copper, discount, 40 and 10 p.c. off revised list.
Steel clad, 20 per cent. discount off revised list.
Boxing extra

Anti-Friction Metal.
"Tandem" A., per lb., 0 19
" B., " 0 16
" C., " 0 10½
" Monarch" 1., " 0 21
" 2., " 0 15
" 3., " 0 10
" Canadian " 0 08½
Magnolia Anti-Friction Metal, per lb., 0 25
No Name Metal, " 0 15
Mystic Metal, " 0 10
P. O. B. New York or Chicago, " 0 10

Bells.
Hand.
Brass, 60 per cent.
Nickel, 55 per cent.

Door.
Gongs Sargent's, 5 50 8 00
" Peterboro, discount 50 per cent.

Cow.
American make, discount 66½ per cent.
Canadian, discount 45 and 50 per cent.

Farm.
American, each, 1 25 3 00
House, 0 35 0 40
American, per

Bellows.
Hand, per doz., 3 35 4 75
Moulders, per doz., 7 50 10 00
Blacksmiths, discount 60 per cent.

Bolting.
Extra, per cent.
Standard, 50 and 10 to 50, 10 and 5 per cent.
Agricultural, 60 and 10 p.c.

Bench Stops.
Per doz, 5 00 6 00

Bits.
Auger.
Gilmour's, discount 65 and 5 per cent.
Excelsior, discount 60 per cent.
Rockford Common, 70 to 70 and 10 per cent.
" Perfection, 50 and 10 per cent.
Jennings' Gen., net list to 5 p.c. discount
Car.
Gilmour's, 47½ to 50 per cent

Expansive.
Clark's 40 per cent.
Excelsior, 10 per cent.
Gimlet.
Clark's, per doz, 0 65 0 90
Dumond, Shell, per doz., 1 00 1 50
Nail and Spike per gross, 2 25 5 20
Blind Rollers.
Annex, per doz, 1 25 1 75
Mascott, " 1 35 1 85
Ernieue, " 1 00 0 90
Blind and Bed Staples.
All sizes, per lb, 7½ 0 12

Bolts.
Carriage, dis., 6 and 10 to 70 p.c.
Tire, dis., 70 and 5 per cent.
Stove, dis., 70 per cent.
Elevator, dis., 35 to 40 per cent
Machine, dis., 70 p.c.
Coach Screws, dis. 70 and 10 p.c.
Plough bolts, 60 p.c.

Boring Machines.
Complete, with augers, each., 5 00 7 50

Braces.
Barber's, 6 00 7 75
Barber's Ratchet, 10 00 11 00
Farmers, 2 00 2 75
Millar's Falls, 15 50 29 00

Brackets.
Shelf.
Japanned Canadian, per doz., 0 50 3 40
pairs, 0 85 3 20
Berlin Bronze Canadian, 0 85 3 20

Broilers.
Light, dis., 65 to 67½ per cent.
Reversible, dis., 65 to 67½ per cent.
Vegetable, per doz., dis. 37½ per cent.
Henis, No. 8, " 6 00
Henis, No. 9, " 7 00
Queen City, " 7 50 0 00

Butchers' Cleavers.
German, per doz., 6 00 11 00
American, per doz., 12 00 20 00

Building Paper, Etc.
"Dominion Brand" Saturated Felt, per 10-lb., \$1 40
Dry, Good Luck, per roll, 0 40
Tarred Good Luck, per roll, 0 50
"Shield Brand", Dry, per roll, 0 27
" Tarred, per roll, 0 35
Coal Tar, per barr., 3 75
Pitch, per 100-lb., 0 60

Butts.
Brass.
Wrought Brass, dis., 17½ p.c. revised list.

Cast Iron.
Loose Pin, dis. 70 per cent.

Wrought Steel.
Fast Joint, dis. 70, 10 and 5 to 75 p.c.
Loose Pins, dis. 70, 10 and 5 to 75 p.c.
Berlin Bronzed, dis. 70, 70 and 5 per cent.
Gen. Bronzed, per pair, 0 40 0 65

Can Openers.
Acme, per gross, 9 00 10 00
Sardine Scissors, per doz., 3 75 4 50

Card.
Horse, per doz., 0 60 1 00

Carpet Stretchers.
American, per doz, 1 00 1 50
Bullards, per doz, 6 50

Carpet Sweepers.
Bissell, per doz, 22 50
World, " 21 75
Daisy, " 24 00
Star, " 18 00
Crown Jewel, per doz., 29 00
Grand Rapids, " 24 00 33 00

Cartridges.
(See Ammunition.)
Castors.
Bed new list, dis. 55 to 57½ per cent.
Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
Nos 31 and 32, per gross., 8 50 50

Cement.
Canadian, Portland, 2 50
English, " 2 85
Belgium, " 2 75
Canadian hydraulic, 1 20

Figures are for barrel lots.
Chalk.
Carpenters Colored, per gross, 0 45 0 75
White lump, per cwt, 0 60 0 65
Red, " 0 05 0 06
Crayon, per gross, 0 14 0 18

Chisels.
Socket, Framing and Firmer.
American, dis. 75 per cent.
Canadian, dis. 40 and 5 per cent.
Tanged firmer, per doz., 0 85 4 00

Churns.
Daisy or Leader, dis. from stock or factory
60, 10 and 5 per cent.

Clamps.
Tudds', dis. 20 per cent.
Stearn's, per doz, 3 00 10 00

Clips.
Axle dis. 65 per cent.

Closets.
Washout, plain, 3 25
" embossed, 3 50

Coffee Mills.
Box, 3 60 13 00
Side, 3 60 4 00
Enterprise, No. 0, 1 35
No. 2, 70

Compasses, Dividers, Etc.
American, dis. 62½ to 65 per cent

Cradles, Grain.
Canadian, dis. 20 per cent.

Dies.
Hart Mfg. Co. (pipe es), (Amer. list), dis 40 per cent.
Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
Torrey's Rod, per doz., (15 p.c., 2 00
Coil, per doz., 0 88 1 60
English per doz., 2 00 4 00

Draw Knives.
American, dis. 70 and 10 per cent.
Canadian, dis. 25, 50 and 10 per cent.

Drills.
Hand and Breast
Millar Falls, per doz., 16 00 51 50
P. S. & W., dis. 40 per cent.

DRILL BIT.
orse, dis. 37½ to 40 per cent.
Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
Stovepipe.
Per doz, 85 1 70

FAWCETS.
Cork Lined, per doz., 0 30 0 35
Wine, per doz., 1 30 3 25
Star, 2 80 3 90
Fenn's Corkstops, No. 2, per dozen, 1 70
Petroleum, per doz., 4 50 6 50

FILES.
Globe File Mfg. Co.'s dis., files, 50 and 10 to 70 per cent.
Black Diamond, 50 and 10 to 60 per cent.
Kearney & Foote, 60 and 10 per cent. to 60, 10.

Nicholson File Co., 50 and 10 to 60 per cent.
Jowitt's, English list, 25 to 27½ per cent.
American, 60 to 60 and 5 per cent.
Great Western, 60 and 10 per cent.
Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 7½ per cent.

FLUTING MACHINES.
Each, 0 60 2 00

FORKS.
Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS
Ice Cream.
Gem from \$1.25 to \$7 net.
White Mountain, 1 to 25 qt., 1 35 13 50
Arctic, dis. 50 p.c.

FRUIT PRESSES.
Henis, per doz., 3 25 3 50
Shepard's Queen City, dis. 15 per cent.

FRY PANS.
Acme, dis. 65 to 67½ per cent.

GAUGES.
Marking, Mortise, Etc.
Stanley's, dis. 50 to 55 per cent.

Wire Gauges.
Winn's, Nos. 26 to 33, each., 1 65 2 40

GLASS.
Window.
Box Price.

Star.
Double Diamond.
Under 25, 1 80 3 40 5 25
26 to 40, 1 95 3 70 5 75
41 to 50, 4 10 6 50
51 to 60, 4 40 7 75
61 to 70, 4 70 8 50
71 to 80, 5 10 9 50
81 to 85, 5 70 10 50
86 to 90, 6 70 12 75
91 to 95, 14 50
96 to 100, 16 50
101 to 105, 18 50
106 to 110, 22 50

GLUE POTS.
Tinned, each, 0 30
Enamelled each, 0 55

GRINDSTONE FIXTURES
Per doz., 3 60 4 00

HALTERS.
Rope, ¾ per gross, 8 25 8 50
" ½ " 9 25 9 50
" ¼ " 11 00 11 25
Leather, 1 in., per doz., 3 87½ 4 00
" 1½ in., " 5 15 5 75
Web, — per doz., 1 87 2 40

HAMMERS.
Nail
Maydole's, dis. 5 to 10 per cent. Can., dis 25 to 27½ per cent.

Tack.
Magnetic per doz., 1 10 1 20

Sledge.
Canadian, per lb, 0 07½ 0 08½

Ball Pean.
English and Can., per lb., 0 22 25

HANDLES.
Axe, per doz., net, 1 50 2 60
Store door, per doz, 1 00 1 50
Chest, per doz. pairs, 0 40 2 50

Chisel.
Firmer, per gross, 3 00 4 50
Socket Firmer, per gross, 3 25 8 00
Socket Framing, per gross., 3 75 5 00

Fork.
C. & B., dis. 45 per cent. rev. list.

Hoe.
C. & B., dis. 45 per cent. rev. list.

Saw.
American, per doz., 1 00 1 25

Plane.
American, per gross., 3 15

Hammer and Hatchet.
Canadian, 45 per cent.

Cross-Cut Saw.
Canadian, per pair, 0 13½ 0 20

HANGERS.
Door, 4 and 5 inch, per pair., 0 40 0 50
Lanes, 6½ per cent.

HATCHETS.
Canadian, dis. 40 to 42½ per cent

HINGES.
Blind, Parker's, dis. 60 and 10 to 65 per cent.
" Shepard's Noiseless, dis. 60 per cent.
" Buffalo, dis. 60 to 70 p.c.
Light T and strap, 70 and 10 p.c.
Heavy, per lb, 0 03½ 0 04½
Screw hook and hinge—
6 to 12 in., per 100 lbs., 3 15
14 in. up, per 100 lbs., 2 35

Per doz. set
Screw, Eureka, 1 13 1 80
Gate, Clark's, 1 50 2 20
" Shepard's, dis. 50 to 60 per cent.

Per gro. pair
Spring, 9 50
" Shepard's Samson, 1 20

HOES.
Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
Planter, per doz, 4 00

HOOKS.
Cast Iron.
Bird Cage, per doz, 0 50 1 10
Clothes Line, per doz, 0 27 0 63
Harness, per doz, 0 72 0 88
Hat and Coat, per gross., 1 00 3 00
Chandelier, per doz., 0 50 1 00

Wrought Iron.
Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
Hat and coat, dis. 60 to 60 and 10 p.c.
Belt, per 1,000, 0 60
Screw, bright, dis. 65 and 10 per cent

HORSE NAILS
P. B., dis. 50 p.c.
"C" brand, 50 p.c. dis. } Oval head.
"M" brand 50 p.c. }
Acadian, 50 and 20 p.c., countersunk head

HORSE SHOES.
F.O.B. F.O.B.
Iron Shoes, Montreal Toronto*
Light, medium, and heavy., 3 15 3 25
Snow shoes, 3 40 3 50

Steel Shoes.
Light, all sizes, 3 35 3 45
Extra light, 4 50 4 60
Toe weight (steel), 5 50 5 60

***Al-o Hamilton, London, Guelph, St. John Halifax.**

ICE PICKS.
Star, per doz., 3 00 3 25

KETTLES.
Brass spun, 7½ p.c. dis. off new list.
Copper, per lb., 0 30 35
American, 60 and 10 to 65 and 5 p.c.

KEYS.
Lock, Can., dis. 50 p.c.
Cabinet, trunk, and padlock, Am. per gross., 1 60

KNOBS.
Door, japanned and N.P., per doz., 0 90
Bronze, Berlin, per doz, 2 75 3 25
Bronze Genuine, " 6 00 9 00
Shutter, porcelain, F. & L. screw per gross., 1 30 4 00

KNIVES.
Clausen, bread, cake, and paring knives, \$7.00
doz. sets net, to 10 per cent.
Christie, bread, cake, and paring knives, \$7.00
doz. sets, with 10 p.c. off.
Hay knives, spear point, L or T handle, 60
10 and 5 per cent.
Lightning, per doz., 6 50 8 40
Heath's, \$7.75 net.

LADLES.
Melting, per doz., 1 70 4 50

LEMON SQUEEZERS.
Porcelain lined, per doz., 2 20 5 60
Galvanized, " 1 87 3 85
King, wood, " 2 75 2 90

King, glass,	4 00	4 50
All glass	1 20	1 30
LINES.		
Fish, per gross	1 05	2 50
Chalk	1 90	7 40
LOCKS.		
Canadian, dis. 50 p.c.		
Russell & Erwin, per doz.	1 75	7 50
Cabinet,		
Eagle, dis. 30 p.c.		
Padlock,		
English and Am., per doz.	50	6 00
Scandinavian,	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.		
Iron and Brass.		
Flat head, discount 25 p.c.		
Round Head, discount 20 p.c.		
MALLETS.		
Tinsmiths', per doz.	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each	1 60	2 00

MATTOCKS.		
Canadian, per doz.	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.		
American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.		
American, per doz.	0 42	2 35

MOLASSES GATES.		
Stebbin's Patent, dis. pre cent., 7½ per cent.		

NAILS		
Quotations are:	Cut.	Wire.
2d. and 3d.	\$2 75	\$2 75
3d.	2 40	2 40
4 and 5d.	2 15	2 15
6 and 7d.	2 05	2 05
8 and 9d.	1 90	1 90
10 and 12d.	1 85	1 85
16 and 20d.	1 80	1 80
30, 40, 50 and 60d. (base) ..	1 75	1 75
Steel Cut Nails 10c. extra.		
roads and finishing nails, special sizes, 80 p.c. from new list.		

NAIL PULLERS.		
German and American	1 85	3 50

NAIL SETS.		
Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.		
Poultry, 67½ per cent. for imported, 55 per cent. for McMullen's.		

OIL.		
Canada refined oil (Toronto) ..	0 14	
Paraffin safety " ..	0 16½	
American w. w. " ..	0 17½	
Pratt's Astral. " ..	0 17	

OILERS.		
McClary's Model galvan. oil can, with pump, 5 gal., per doz.	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.	1 25	3 50
Brass, " ..	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.		
Galvanized, per doz.	1 85	3 00

PENCILS.		
Dixon's, per gross	1 00	4 25
Carpenter	2 25	3 60

PICKS.		
Per doz.	6 00	9 00

PICTURE NAILS.		
Porcelain head, per gross.	1 40	3 00
Brass head,	0 40	1 00

PIPE CUTTING MACHINERY		
Forbes Patent Die Stocks.—Curtis & Curtis, Mfrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to 2 in. R. & L.	\$ 50 00	
No. 38 Hand Machine, range 1½ to 4 " ..	100 00	
No. 56 Hand Machine, range 2½ to 6 " ..	175 00	

PLANES.		
Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.		
Wood, fancy Canadian or American, 37½ to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.		
Miscellaneous, dis. 25 to 27½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.		
English, per doz.	2 00	5

PLIERS AND NIPPERS.		
Button's Genuine, per doz pairs, dis. 37½ 40 p.c.		
Button's Imitation, per doz.	5 00	9 00
German, per doz.	0 60	2 60

PLUMBS AND LEVELS.		
S. R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		

POPPERS.		
Corn, square, per doz.	1 35	2 00

PRUNING SHEARS.		
Per doz.	4 00	5 50

PULLEYS.		
Hothouse, per doz.	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awnings	0 35	2 50

PUMPS.		
Canadian cistern	1 40	2 25
Canadian pitcher spout.	1 15	2 00

PUNCHES.		
Saddlers', per doz.	1 00	1 85
Conductors',	9 00	15 00
Tinners' solid, per set.	0 00	0 72
" hollow, per inch.	0 00	1 00

RAIL.		
Barn door, per foot.	0 02½	0 02½
Sliding door,	0 03½	0 03½
Lanes,		0 02½

RAKES.		
Cast steel and malleable Canadian, list dis. 60 to 60, 10 and 5 p. c. revised list.		
Wood, 25 per cent.		

RASPS AND HORSE RASPS.		
New Nicholson horse rasp, discount 60 p. c.		
Globe File Co.'s rasps, 6J and 10 to 70 p. c.		
Toronto File Co.'s rasps, 6J and 10 to 70 p. c.		
Heller's Horse rasps, 5J to 50 and 5 p. c.		

RAZORS.		
Geo. Butler & Co.'s, per doz.	8 00	18 00
Bokers',	7 50	11 00
Wade & Butcher's,	3 60	10
Arbenz's,	9 00	18
Theils & Quack's	7 00	12

RAZOR STROPS.		
Currier's, per doz.	1 25	3 60

RIVETS AND BURRS.		
Carriage, Section, Wagon Box Rivets, etc., (Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc., (Norway Iron), 80 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and p.c.		
Copper Rivets & Burrs, 45 p. c. dis.		
cartoons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.		
Canadian, dis. 35 to 37½ per cent.		

ROPE, ETC.		
7-16 in. and larger, per lb. 10½	Sisal.	Manilla
11½		
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RULES.		
Boxwood, dis. 80 and 10, to 80 and 12½ p. c.		
Ivory, dis. 37½ to 40 p. c.		

SAD IRONS.		
Mrs. Potts, per set.	0 62½	1 00
N.P., per set.		90

SAD HEATERS.		
Dome, Shepard's, per doz.	4 75	5 00

SAND AND EMERY PAPER.		
Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.		

SASH CORD.		
Per lb.	0 20	0 50

SASH LOCKS.		
Triumph and Morris, dis. 37½, 40 per cent.		
Kempshell's, dis. 40, 62½ per cent.		
anadian, dis. 45, 50 per cent.		

SASH WEIGHTS.		
Sectional, per 100 lbs.	1 40	1 75
Solid,		1 25

SAWS.		
Crosscut, McMillan & Haynes, per dozen	0 40	0 70
'Empire,' McMillan & Haynes, per ft.		0 70
Hand, Diston's, dis. 12½ to 15 p. c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Diston's, per ft.	0 35	0 55
S. & D., dis. 35 p. c. on Nos. 2 and 3.		
Hack, complete, each.	0 75	2 75
" frame only.		0 75

SAW SETS.		
"Lincoln," McMillan & Haynes, per doz.	6 00	7 50
Whiting	5 63	7 00

SCALES.		
Gurney Scales, 50 p. c.		
R. S. & M. Scales, 50 p. c.		
Champion, 60 per cent.		
Fairbanks Standard, 45 p. c.		
Dominion, 61 p. c.		
Richelieu, 60 p. c.		
Chatillon Spring Scales, 25 p. c.		

SCRAPERS.		
Box, per doz.	2 10	4 50
Boot,	0 40	3 50

SCREENS.		
Door, patent, per doz.	6 50	11 00
Window, per doz.	2 00	2 75

SCREW DRIVERS.		
Sargent's, per doz.	65	00

SCREWS.		
Wood, F. H., iron, and steel, dis. 87½ p. c.		
Wood, R. H., " dis. 80 p. c.		
" F. H., brass, dis. 82½ p. c.		
Wood, R. H., " dis. 75 p. c.		
Drive Screws, 87½ per cent.		
Bench, wood, per doz.	3 25	4 00
iron,	4 25	5 75

SCYTHES.		
Discount, per doz. net.	4 50	6 00

SCYTHE SNATHS.		
Canadian, dis. 50 p. c.		

SHEARS.		
B. & W., japanned, dis. 75 p. c.		
B. & W., N.P., dis. 65 p. c.		
Seymour's, dis. 60 p. c.		
Etna, dis. 75 to 75 and 10 p. c.		
Heinisch, dis. 60 p. c.		
" N.P., dis. 70 p. c.		
Clauss, full nickel, 60 p. c.		
" japanned handles, 67½ p. c. off.		
Seymour or Heinisch tailor shears, 15 p. c.		

SHEAVES.		
Sliding door, per set.	0 77	1 40

SHOVELS AND SPADES.		
Canadian, dis. 40 and 10 to 45 and 2½ p. c.		

SIEVES.		
Wood rim, black, per doz.	1 05	1 10
" tinned,	1 25	1 35
Tin rim, per doz.	2 30	2 45
" black.	1 85	2 25

SNAPS.		
Harness, German, dis. 35 to 37½ p. c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.		
Per lb.	0 25	

WROUGHT SPIKES.		
Discount, 35 to 40 per cent.		

SPOKE SHAVES.		
Wood, English	1 80	5 00
ron, American	1 35	2 35

SPOONS AND FORKS.		
Tea spoons, per gross	7 50	12 00
Dessert,	21 00	00 00
Table,	30 00	30 00
Dessert Forks,	24 00	00 00
Medium " ..	27 00	00 00
Table " ..	36 00	00 00

SPOKE SHAVES.		
Wood, English	1 80	5 00
Iron, American.....	1 35	2 35

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In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays to any address on receipt of

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The Queen of Polishes.

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Samples on Application.

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Offices in the principal cities of the United States, Canada, the European Continent, Australia, and in London, England.

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Made with shorter barrel for bicycle use.

The most perfect small pistol made.



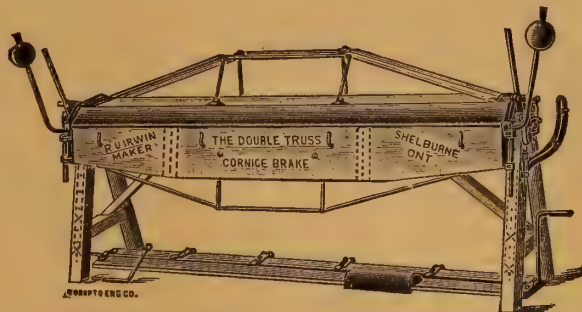
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Price, \$50

Very handy bender attachment, \$10 extra, if required.

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The Double Truss Cornice Brake Co. SHELBURNE, ONT.

It Leads Them All.

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Gurney Standard Scales.

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WAREHOUSE (Portable or Dormant) HOPPER SCALES

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Simplicity and safety are the leading features. Being deeply water sealed it cannot leak. It makes the gas cool, washes it twice, and thus makes only pure gas. Never clogs the burners.

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Twelve

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BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

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Hand-Mixed



The day for Hand-Mixed Paints is now a thing of the past. Painters, both amateur and professional, have come to the unanimous conclusion that "Ready-Mixed" certainly are the best—but bear in mind that there are many brands of Ready Mixed Paints and only one of them that can be relied upon in every instance—that one is **ROBERTSON'S**. See that that's the kind you always have in stock.

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AND METAL
MERCHANT

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VOL. X.

MONTREAL AND TORONTO, DECEMBER 3, 1898.

NO. 49



Magnolia Metal

Best Anti-Friction Metal for
all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.



The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
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Our Galvanized Wire Netting occupies the same posi-
tion in its sphere that our Galvanized Iron does—it's the
best.

Carefully woven, perfectly galvanized, full weight,
length and width, and low in price.

When buying from your jobber specify "Lysaght's,"
and you will be safe.

JOHN LYSAGHT, Limited
BRISTOL and MONTREAL

Makers of
"QUEEN'S HEAD"
GALVANIZED IRON.

CANADA'S BEST RADIATORS

Safford For
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Prompt Shipments from Stock.

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Guaranteed to Stand 140 lbs.



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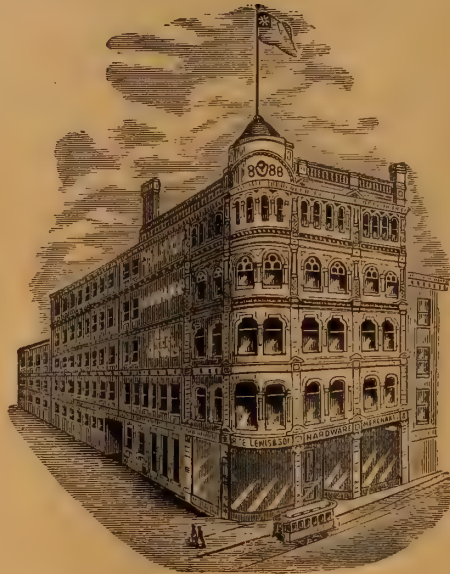
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FINE BUILDERS' HARDWARE.

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Bath=Room Help



Do you want to know how to use a small amount of hot water and yet keep it hot in the Bath Tub—how to save money and yet get an absolutely sanitary and very handsome Bath Tub—how to buy a Bath Tub that you can't wear out and that won't chip or crack—how to get a Bath Tub of the highest quality that is all ready to set up without further expense to you?

Then send for our illustrated booklets that tell all about that "Bath-Room Help" \$1.75

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The Toronto Steel-Clad Bath and Metal Co., Limited,
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One of the many liberal features embodied in the
UNCONDITIONAL ACCUMULATIVE POLICY
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is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

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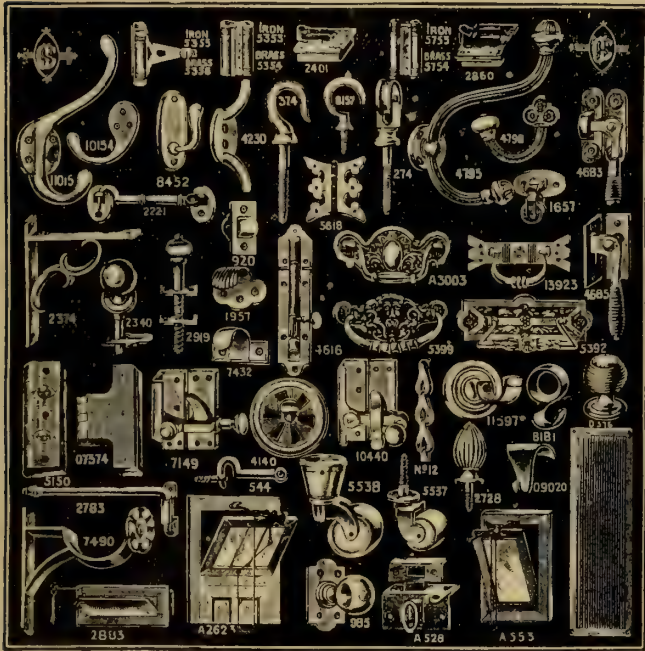
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Manufacturers of every description of
CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY
BIRMINGHAM, ENGLAND.



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Our Phoenix Red Sheet Packing

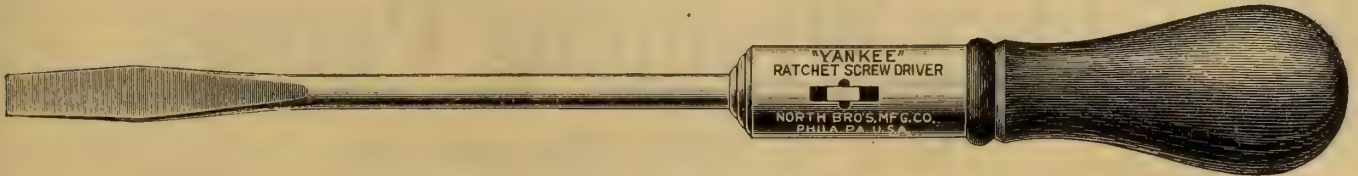
is not affected by oils, ammonia, liquors, steam, heat, or alkalis. It conforms to rough surfaces. It makes a perfectly tight joint. It retains its elasticity under any condition.



OTHER TOOLS ARE VERY GOOD TOOLS, BUT "YANKEE" TOOLS ARE BETTER



SPIRAL-RATCHET SCREW DRIVER.



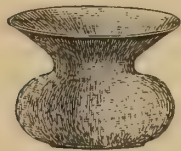
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CAVERHILL, LEARMONT & CO.	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	"
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Also Nickel Plated Waiters, Tea Kettles, Hot Water
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Established 1825

Important Decision relating to the

Established 1825

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The U. S. Circuit Court, Southern District of New York, Judge Townsend, has rendered a decision in the suit of "R. Heinisch's Sons Co. vs. Hermann Boker & Co."

"The Complainant is entitled to an accounting, and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc., and otherwise, in any way which will interfere with Complainant's enjoyment of the benefits of its Trade-name."

Referring to the above decision, we would respectfully state our determination to protect our rights in the premises and warn all persons against any imitation of our Trade-name

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Manufacturers of
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Manufacturers of

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The fibre is long
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HARDWARE MANILLA
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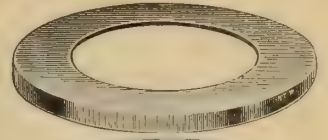
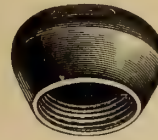
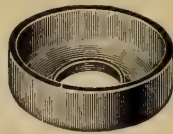
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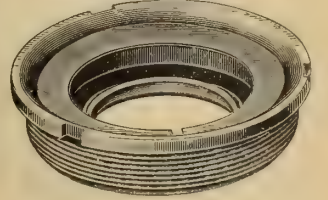
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*OF ALL
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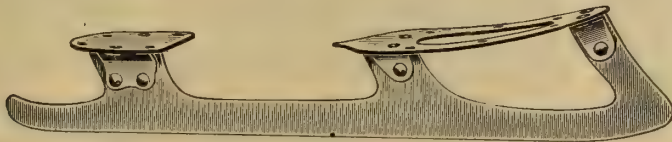
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Our **HOCKEY SKATES** have been adopted by the Hockey Club of St. Nicholas Rink, New York City, and are conceded by experts to be **THE BEST.**

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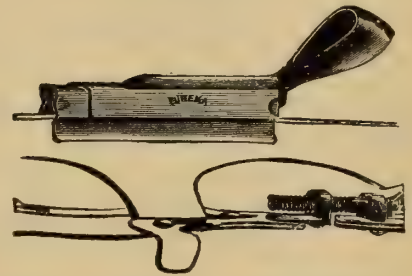
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Skate Sharpeners.

BEST IN THE WORLD.

Will outlast any skate but the
"Winslow."



TINNED SHEET IRON.

Our stock is now complete in all standard
and special sizes.

Write for Prices.

M. & L. Samuel, Benjamin & Co.

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Samuel, Sons & Benjamin

164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

CAN YOU AFFORD

to carry in stock unknown brands of stove polish that your customers know nothing about, brands they do not call for, the quality of which is inferior, gives them dissatisfaction, and the consequent sale of which brings discredit to your store? Your best judgment answers NO! Then sell

Enameline

THE MODERN
STOVE POLISH
PASTE, CAKE OR LIQUID

If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

HUSTLERS FOR THE CHRISTMAS TRADE

Articles that will bring you customers and retain them.

Kemp's Royal Tea Kettles

Made with Pit and Body in One Piece. A Strong and Durable Kettle. Supplied in All Copper, or All Copper Heavily Nickel Plated.

Climax Hot Water Kettles

For Base Burners or Table Use. All Copper, Nickel Plated, with Embossed Ornamental Snowshoe Band Around Bodies. Also supplied with Plain Bodies.

Royal Nickel Plated Tea and Coffee Pots

All Copper, Heavily Nickeled. Supplied in four sizes.

Each of these articles is wrapped and put up separately in a cardboard box.



White Enameled Tea Pots

With Fancy Nickel Plated Handles. Nickel Plated Copper Covers and Bowl Bottoms. Highly Decorated.

Kemp Manufacturing Co. - Toronto, Canada.



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H. S. Ashburner.
NEW YORK - - - - - 14 Irving Place,
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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

COPPER IN THE U. S. AND CANADA.

COPPER mining in the Lake Superior district of the United States is developing in a most satisfactory manner. And it has been for some years. Even back in 1893, when nearly every industry in the United States appeared to be paralyzed copper mining in the Houghton and Ontonagon counties, Michigan, was healthy. Copper from the lake district was down to 9 and 10c. per lb., but the 5,000 men that were employed in the nine mines being worked were receiving good wages.

With copper mining so good in the dull times of 1893, it is quite natural to expect it to be a great deal better in the good times

of 1898. And those who may have had any expectations along this line are not likely to be disappointed: There has been a great improvement.

In the copper district of Lake Superior, there are, now in active operation, no less than 20 mines, and a striking feature of the situation is that some of the mines being worked had been closed down for 40 years.

A writer in *The Iron Age* estimates that the copper mines of the Lake Superior country are, roughly speaking, worth \$105,000,000, which is more than two and one-half times their value in 1893. Eleven thousand men are employed, more than double the number of 1893. The product of the mines is valued at \$18,000,000, of which \$8,000,000 is put down as profit.

It is expected that the United States will, this year, contribute about 60 per cent. of the world's total output of copper. Copper appears to be gold as far as the United States is concerned.

While in Canada there are great possibilities for the copper industry, yet its development has been so slow and so small that the progress made by the industry in the United States puts us to shame. At the same time, however, we can boast of some improvement.

We have no figures for 1898 for the Dominion, but, in 1897, 13,300,802 lb., valued at \$1,501,660, were produced, against 9,393,012 lb., valued at \$1,021,148 in 1896. In 1895, the production was 8,789,162 lb., and, in 1894, 7,737,016 lb. This means an increase of nearly 72 per cent., in four years, in quantity produced.

The report of the Ontario Bureau of

Mines enables us to secure figures for that Province down to the end of September of the present year, and these show that the value of the copper produced for the nine months of 1898 was \$208,569, against \$200,067 for the 12 months of 1897.

The native or metallic copper deposits in Canada are confined principally to the rocks of the upper copper-bearing series on Lake Superior. In Ontario, on the north-eastern shores of Lake Huron, extensive veins of rich copper have been mined for years. The largest deposits are found in the neighborhood of Sudbury. On Lake Superior, native copper exists in large quantities along the Canadian shore. Native copper in large quantities is to be found in various parts of British Columbia. Quebec and the eastern Provinces also have copper deposits.

As there are no refineries in Canada, all the copper produced here is shipped out of the country, in order to be put into merchantable form.

WIRE NAILS LOWER IN THE STATES.

Wire nails have taken an easier turn in the United States, and prices are 5c. a keg lower than they were a week or two ago.

The base price is now \$1.30 in carload lots f.o.b. Pittsburg, and, while a good export demand is reported from New York, the domestic demand is light.

Although the price has been reduced, United States wire nails, plus the duty, would still cost 20 to 25c. per keg more in Canada than the domestic made article.

Clerks who would build up themselves should be zealous to build up the business of their employer.

CANADA'S TRANSPORTATION PROBLEM.

THE termination of the rate war between the Canadian Pacific and the Grand Trunk railways, and the going into operation of the rates which obtained before the war began, naturally revives interest in the relation of the railways to the country, and vice versa.

The monetary aids granted to Canadian railways by governments and municipalities up to June 30, 1897, aggregated \$207,137,265. This is exclusive of the 39,725,130 acres of land with which the railways have been subsidized. Taking money and land together this would represent at least a sum of \$250,000,000, or equal to a donation of \$5 per head of every man, woman and child in the country. Taking it another way, an average of over \$15,100 has been given for every mile of the 16,500 miles of railway in operation. In our calculation we have only allowed about \$1 per acre for the land granted, which is obviously an under estimate particularly when it is remembered that the C.P.R. is holding at \$10 per acre the land it received in grants.

Notwithstanding the liberality of the country in cash and lands, to say nothing of the value of the franchises and privileges they carry with them, the 16,550 miles of railway operating in the Dominion are as bands of steel, binding the country in a grasp which has positively become painful. And, the trouble is, we have to grin and bear it without hope of much relief.

Had the legislators, in the years gone by, been foreseeing enough to see the conditions as they are to-day, or been able to anticipate the overmastering power the railways have developed, it is inconceivable that they would have so neglected to provide measures for the safeguarding of the interests of the commercial and of the agricultural interests and of the people generally as they did.

They, doubtless, as a rule, did their best, but their best was little better than nothing. At any rate, it has not prevented the country being practically at the mercy of the two big corporations which control the railway systems of the Dominion.

The manufacturing and commercial classes are suffering from high freight rates and discriminating freight rates, which, in

many instances, make nugatory the protection which comes from the Customs tariff, while our export trade, in many respects, is carried on under difficulties induced by the same causes.

The farmers are in much the same condition as the business men. Were it not for the railway conditions obtaining in the Northwest, that part of the Dominion, wherein are the choicest of the wheat lands upon this continent, would not be as sparsely settled as it is to-day. It is true that the conditions have been somewhat alleviated by the reduction in the rates on grain which was obtained from the C.P.R. as a provision of the Crow's Nest Pass agreement. But, there is still a great deal of soreness up there, notwithstanding.

Wherein lies the solution of the transportation problem it is difficult, with positiveness, to say. What might be done in some respects is apparently made impossible by extraordinary privileges which the railway owners, more cunning and subtle than the legislators, worked into the webs of their franchises.

And, thus, what have become known as vested rights, as far as the railways are concerned, have become what may be termed vested wrongs, as far as the people of this country are concerned.

But, whatever there may be in the lap of futurity, the first essential in the direction of railway reform is an increase in the number of men in Parliament who are without railway passes in their pockets, and are, in consequence, less susceptible to railway influence.

The next thing is to get a railway commission, composed of the very best men that can be procured. Then, and not till then, can we hope for anything practical to be done in the way of solving the railway problem.

The call is to the business men of the country to lend their assistance in solving the transportation problem, and making the railway corporations the servants, and not what they are now, the masters of the people.

Do not be afraid to launch an idea because it is new. There may be millions in it.

SPECULATION IN PARIS GREEN.

THERE has been quite a lot of speculative purchasing of paris green by Montreal jobbers during the past fortnight or so, and, though the exact figures cannot be learned, the price at which business is reported to have been done is considered very low; in fact, a bargain.

This opinion is based upon the position of the chemical market, which, it is figured, will necessitate higher prices.

Most of the business put through has been for early spring delivery, and it is said that agents for New York firms have placed paris green with Montreal jobbing houses at 12¼c. in bulk and 14c. in packets.

The general opinion is, that the material at these prices is good property, as much higher prices are confidently predicted before the distributive and consumptive demand sets in next spring.

A clean record and a clean store are two things which no merchant can afford to be without.

AMERICAN GALVANIZED IRON DEARER.

Jobbers in Canada have been notified of an advance of 2½ per cent. in the price of galvanized iron of United States make.

The chief reason for the advance is ascribed to the dearth of spelter, which is steadily advancing on the other side.

During the past month there have been several distinct advances in spelter, aggregating in all, about 25 to 30c. per 100 lb.

No change has yet been made by Toronto jobbers in the price of American galvanized iron, 28 gauge still ruling at \$3.75.

Notwithstanding the untold millions of the Klondyke, there is nothing in the long run which will pay as well as common-sense, energetic and continuous effort.

STRONG ZINC SHEET MARKET.

There is a decidedly strong feeling in zinc sheet, and the jobbing idea as to price is firm at 7¼c. for cask lots, and 7½c. per lb. for smaller quantities.

The demand is not heavy, but stocks are getting reduced, and this, together with the strength of the outside market, tends to keep local quotations firm.

INDUCEMENTS TO BRITISH SHOVEL MAKERS.

THERE is one line of trade in Canada, which, at the moment, holds out inducements to British manufacturers. We refer to the spade, shovel, and grain and furnace-scoop trade.

As already pointed out in previous issues, the combination of Canadian makers had, by paying a handsome sum, induced the combination in the United States to agree not to supply the jobbing trade in Canada with goods.

Naturally, the jobbing trade in this country are much displeased with this condition of affairs, especially in view of the fact that the Canadian factories have been unable, during the past season, to supply the demand.

It seems decidedly opportune for the British manufacturer to make an effort to secure the Canadian trade.

One thing is certain, if his patterns are right he will receive a warm welcome from the Canadian jobbers. But as long as he is not prepared to make the desired patterns he will be at a disadvantage, in spite of the preferential tariff and the willingness of the trade in this country to take his goods.

In the meantime the attention of the Government is again drawn to the practices of the spade and shovel combination, and the necessity of its taking some action under the Tariff Act to relieve the trade from the burdens which it is suffering as a result thereof.

A CAUSE OF NON-SUCCESS.

IT is not because of lack of opportunity, but because of lack of the qualities of ambition and energy that there are so many men—both young and old—in the world who are "neither fish, flesh, or good red herring"; in other words, so many men in business, behind counters, and in the professions, who do not amount to much.

A man who is without ambition and energy merely drifts with the tide. And the farther he drifts the farther does he get from the sources from which success springs.

A man who has no ambition can no more forge ahead than can an engine without steam. Ambition is the steam of human progress.

Have ambition. Have an aim in life,

and a high aim. Utilize the golden and spare moments in fitting yourself for the goal. Read good books. And think, as well as read. Then, when the opportunities come you will be prepared to grasp them.

Success is no more the offspring of indolence than is a sparrow the offspring of an eagle.

SHORTAGE OF AMMUNITION.

Toronto hardware jobbers have been experiencing an active demand for Snider rifle ammunition during the past few weeks. And so active has it been that stocks are exhausted, while attempts to replenish them from either the factories or Government magazines have proved futile.

The explanation of this demand is, without doubt, the large number of Snider rifles which the Militia Department recently placed upon the market.

DROPS FROM THE EDITOR'S PEN.

Natural advantages have no utility until they are utilized.

An unscrupulous person, like a quicksand, cannot be trusted.

Always try to be the leader and not the follower in the paper chase of business.

A poor clerk behind the counter is about as undesirable as poor goods upon the shelves.

Time is more precious than money, and he who wastes it is more foolish than the spendthrift.

If you cannot attend to your advertising, you cannot expect people to pay attention to your store.

Worry will not remove furrows from the business, but it will create them on the merchant's brow.

A good article can be depended upon to work its way into the world, provided it has the advertisement as a forerunner.

Climbing metaphorical mountains may not be pleasant, but it gives strength of character, if not strength of muscle.

He who seeks diligently and honestly for position or money may not find all he sought for, but he will find a good percentage of it.

TRADE CHAT.

T. J. TRAPP & CO. have secured the contract for iron-roofing the new market for New Westminster, at the sum of \$1,500.

The W. G. Nott Bicycle Co., Brantford, Ont., have commenced operations.

A natural gas well has been discovered on Wm. Bethune's farm, on the mountain near Hamilton.

About \$20 worth of hardware was stolen from the hardware store of Wm. Meredith, King street east, Toronto, the other day.

The boiler shop of the British Columbia Iron Works will be started up again next week, under the management of A. Smith Robinson, who has taken over this department.

Fire did about \$10,000 damage to The Stevens Manufacturing Co.'s works in London last Saturday night. The cause of the fire, which commenced in the roof, is unknown.

The Engineering Contract Co., of New York, has been given the contract for the E. and H. Division of the Lake Erie railway at Chatham. The work will cost about \$10,000.

The Alberta Railway and Coal Co., Lethbridge, N.W.T., is laying down coal at Rossland at \$6.75 per ton on the track, or \$7.75 in the cellar. This company is producing about 700 tons of ore per day.

Lieut.-Col. McDonnell, Picton, Ont., has invented a camp stove which has attracted considerable attention from the Canadian Militia Department. A company will likely be formed to manufacture them.

J. H. Cardy, who for some years carried on the harness and agricultural implement business in Guelph, Ont., has disposed of his business to James Sweeney, who, for the past few years, has been with him. Mr. Cardy will henceforth devote his entire energies to the implement business.

The International Silver Co., which was recently organized at Trenton, N.J., has been incorporated with a capital of \$20,000,000, of which \$9,000,000 is preferred stock. The company is authorized to manufacture and deal in silverware, plateware, pottery and glass. The incorporators are: William Findley, Hamilton; H. Durand, Alexis P. Bartlett, of New York; Frederick Dwight, Brooklyn, and John J. Tracey, of Jersey City. The concerns in the trust manufacture 75 per cent. of the silverware used in this country. They include The Meriden Britannia Co., The Wilcox Silverplate Co., The Meriden Silverplate Co., The Manning & Bowman Co., R. Wallace & Sons, and Simpson, Hall, Miller & Co.

HINTS ON WINDOW TRIMMING.

By C. F. C.

It often has been said that hardwaremen could profit in many ways by following department store methods. However true this may be regarding store arrangements and selling methods, it is quite the opposite in matters of window display.

The department store, with its handsome, large show windows and its many attractive and effective displays, seems to take a second place in hardware displays. Occasionally one sees an attractive display of hardware in one of these establishments, but the occasions are few and far between. All department stores seem to follow the same plan and make the same errors. The most noticeable mistake is the use of too great a variety of merchandise.

An explanation for this fault may be found in the fact that these windows are usually large, and require much merchandise to give the effect of completeness. This explanation, however, is not adequate nor logical. These displays are made with an idea of advertising, as are those of the hardware store. Such being the case, the effectiveness of the advertisement should be the first thought. The beauty of it should be secondary, or, better, simultaneous.

These displays often contain hundreds of different articles. These are carefully arranged, but seldom are impressive, simply because there is no one predominant article exhibited. A person must stop and study the display, if he would gain an adequate idea of its contents. Where one person does this, there are hundreds who do not.

Many hardwaremen have learned this point in window trimming. Many have not. Could this latter class stand for ten minutes and watch the hurrying crowds passing the windows of a large department store, the point would be indelibly stamped into memory.

Note the number of persons who will pause before the display in which some principal article has caught the eye and held the attention. Then note how few of this number will pause before the hardware display in the next window in which there are a hundred or more different articles. That tells the story.

The season for axes and crosscut saws is at hand. The problem of placing these goods before the public soon will be vexing the hardwareman. A large arch built of boards and covered with any attractive material, loosely draped, will form the basis for an attractive window display.

Where there is room enough, a triple arch can be used to advantage. Let the first arch be built several feet back from the window. The other two should stand

obliquely from the front corners of the window, and extend back to the middle one.

Upon these arches place the axes, which are hung ready for use, alternating them, first bit up, then bit down. Unhung axes should be displayed upon the pillars supporting the arches. Between each two pillars cross two crosscut saws.

These settings can be used for displays almost innumerable. Nearly anything in the hardware line can be displayed to advantage upon them.—Iron Age.

A HANDSOME CHRISTMAS PRESENT

THE accompanying cut represents the new carving set of 13 tools (12 carving and 1 matting) gotten up for use in manual training schools, and by amateurs generally, manufactured by the Millers



Falls Co., 93 Reade street, New York. In making up the assortment of tools the firm have endeavored to ascertain just the shapes and sizes best suited for the work, and they think they will be approved of by those who use them. The blades are made from the best steel procurable for the purpose. They are carefully tempered and finished, and are sent out sharpened for use. The handles are made from Cocobola wood, and of the most approved shapes. The cases, 9 3/4 x 8 1/4 inches in size, are nicely finished, and compare favorably with the tools. A clamp is provided to hold each tool in its place in the case.

Take the set altogether, it is, in the words of a dealer in such goods, "a thing of beauty." The price per set is \$5.00.

Thos. Pearson is commencing business as hardware dealer in Woodstock, Ont.

A DECLINING INDUSTRY.

The tinsplate ware industry, of Birmingham and South Staffordshire, which has just passed through the crisis of a wages dispute, is, there is too much reason to fear, in rather a bad way owing, mainly, to the caprices of fashion. The tinsplate sets of toilet ware, once so fashionable, are now supplanted by porcelain and china wares, which are much more reasonable in price than formerly. Japanned iron coal vases have been replaced by wood vases with metal mountings. Wrought enameled baths are no longer in such demand as formerly, owing to the fact that fixed baths of cast iron, enameled, are now a recognized feature of almost all modern houses, except those of the humblest class. Japanese trays and waiters are taking the place of the old-fashioned japanned tinware articles, and white metals are being utilized for the production of these wares. In other ways the changes of fashion have displaced goods which a few years ago were main branches of the japanned and tinware industries of the Midlands.—Hardwareman.

MEETING OF TRAVELERS.

The annual meeting of the salesmen of The Canada Paint Company, Limited, has been called for December 12, when the selling staff and heads of departments will hold "close communion" for a week. The meeting, as usual, will be held at the company's offices and works in Montreal. A valuable addition to the travelers of this prosperous and push-ahead company for the coming year will be Mr. David Parks, who will materially assist in further developing The Canada Paint Company's operations. Mr. Parks joins the company as salesman and specialist in varnishes. He is acknowledged by the trade to be the best finisher in Canada, and, perhaps, on the continent.

The past season has been the largest and most satisfactory ever experienced by this Canadian company, and 1899 is expected to be even better.

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

A FORTUNE IN GOOD MANNERS.

A NEW York lady had just taken her seat on a train bound for Philadelphia, when a somewhat stout man, sitting just ahead of her, lighted a cigar. She coughed and moved uneasily, but the hints had no effect; so she said, tartly: "You probably are a foreigner, and do not know that there is a smoking-car attached to the train. Smoking is not permitted here." The man made no reply, but threw his cigar from the window. What was her astonishment when the conductor told her a moment later, that she had entered the private car of General Grant. She withdrew in confusion; but the same fine courtesy which led him to give up his cigar was shown again as he spared her the mortification of even a questioning glance, still less of a look of amusement, although she watched his dumb, immovable figure with apprehension until she reached the door.

Julian Ralph, after telegraphing an account of President Arthur's fishing trip to the Thousand Islands, returned to his hotel at two o'clock in the morning, to find all the doors locked. With two friends who had accompanied him, he battered at a side door to wake the servants, but what was his chagrin when the door was opened by the President of the United States! "Why, that's all right," said Mr. Arthur when Mr. Ralph asked his pardon. "You wouldn't have got in till morning if I hadn't come. No one is up in the house but me. I could have sent my colored boy, but he had fallen asleep, and I hated to wake him."

The Prince of Wales, the first gentleman in Europe, invited an eminent man to dine with him. When coffee was served, what was the consternation of the others to find that the guest drank from his saucer. An open titter of amusement went round the table. The Prince lifted his eyes, and, quickly noticing the cause of the untimely amusement, gravely emptied his cup into his saucer, and drank after the manner of his guest. Silent and abashed, the other members of the princely household took the rebuke and did the same.

Queen Victoria sent for Carlyle, who was a Scotch peasant, offering him the title of nobleman, which he declined, feeling that he had always been a nobleman in his own right. He understood so little of the manners at court that, when presented to the Queen, after speaking to her a few minutes, being tired, he said, "Let us sit down, madam"; whereat the courtiers were ready to faint. But the Queen was great enough, and gave a gesture that seated all her puppets in a moment. The Queen's courteous suspension of the rules of etiquette, and what it may have cost her, can be better understood from what an acquaintance of

Carlyle said of him when he saw him for the first time: "His presence, in some unaccountable manner, rasped the nerves. I expected to meet a rare being, and I left him feeling as if I had drunk sour wine, or had had an attack of seasickness."—Pushing to the Front.

SOMETHING NEW IN SASH PULLEYS.

A pulley made entirely of wrought steel is certainly a new departure in that line. Such is the "Fox All-steel Sash Pulley," made by the Fox Machine Co., of Grand Rapids, Mich., and represented in Canada by the Aikenhead Hardware Co., Toronto. Although very recently introduced, this pulley is meeting with a splendid reception, and deservedly so, for its great superiority over the cast iron pulley is unquestioned. Being of wrought steel, it is unbreakable, and is very easy running, as the pulley sheave, being well fitted on a 3-16 turned axle, runs true without noise or rattle. Its manner of application is very simple and labor saving, as all that is necessary is to bore four holes in the sash frame and drive the pulley home. No screws are required. They are now in general use by all the leading sash and door factories, and being specified by architects throughout the country. The Aikenhead Hardware Co.

will be pleased to forward prices and full description on application.

PATENT REPORTS.

Below will be found a list of new patents recently granted by the Canadian Government, the patents being secured through Marion & Marion, solicitors of patents, New York Life building, Montreal, and reported by them for the benefit of our readers:

Nos. 61734, Charles A. Woodman, Alberton, P.E.I., lobster trap; 61739, Virgile DeLavelle, Montreal, Que., wrench; 61755, James and Robert Johnston and Joseph McQueen, Miami, Man., self-locking hat pins; 61759, Joseph Motz, Lettowitz, Austria, egg storing cases; 61774, Edgar Gardiner, Rapid City, Man., heaters; 61785, William A. Ryan and Donald C. Nesbitt, Eau Claire, Ont., buttons.

The plate-glass front of the new Thomson block, Vancouver, is an interesting novelty in that it is set without any pillar or bar at the corner, the ground edges of the glass being clamped together. The front was designed by J. W. Michell, of Michell & Sharp, of 606 Pender street, the originator of the idea, and the grinding and drilling was in charge of R. A. Townley, of The Vancouver Plate Glass Co. This is the first front of the kind put up in Canada.

To Sherwin Williams Montreal

Mixed Paint

that contains the right ingredients, the right amount of each, mixed right, is better paint than any man can stir up with a stick out of the raw materials. When a man buys some white lead and some oil and mixes some paint and "guesses it will do," he is as much behind the times as a woman who should grind her own grain into flour. **THE SHERWIN-WILLIAMS PAINTS** contain white lead—just enough—because white lead is one ingredient of good paint. They contain some zinc—not too much—because good paint requires zinc. They are the best paints made to-day, because the best materials, best machinery and most skillful workmen are employed in making them.

THE SHERWIN-WILLIAMS PAINTS

are made differently for different uses—with different qualities for outside and inside work, rough painting and decorative painting. Get the right kind for your work. "Paint Points," the book we send free, will help you to paint wisely and well.

THE SHERWIN-WILLIAMS CO.,
Paint and Color Makers,
Canadian Dept.,
21 St. Antoine Street,
Montreal.

WHITE LEAD
used alone,
covers well
but will
not last.
It chalks and
rubs off.

ZINC
used alone,
spreads well
but will
not last.
It cracks and
peels off.

H. S. HOWLAND, SONS & CO.

WHOLESALE
HARDWARE ONLY

37-39 Front Street West TORONTO

"Boker's" Celebrated Skates.

LADIES' SKATE
"CHARM"



LADIES' SKATE
"CHARM"

No. 422—Best quality welded and tempered steel runners, curved, full nickel plated and polished, with improved pattern top plates and patented cup brackets ; sizes 8 to 10 in.

LADIES' SKATE
"DAISY"



LADIES' SKATE
"DAISY"

No. 424—Best quality welded and tempered steel runners, curved, concaved, full nickel plated and polished, with improved pattern top plates and patented cup brackets ; sizes 8½ to 10 in.

HALIFAX PATTERN SPRING SKATES.

"BOKER'S"



"BOKER'S"

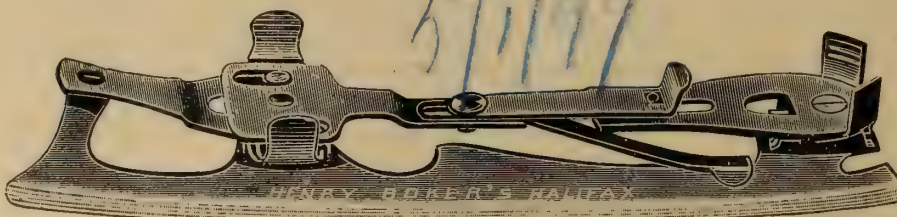
No. 5—Steel runners, curved, ordinary finish ; sizes 7 to 12½ in.

" 7—Best quality welded and tempered steel runners, curved, fine finish ; sizes 8 to 12½ in.

" 9—Steel runners, curved, full nickel plated and polished ; sizes 8 to 11½ in.

" 10—Best quality welded and tempered steel runners, curved, full nickel plated and polished ; sizes 8 to 12½ in.

"BOKER'S"



"BOKER'S"

No. 12—Best quality welded and tempered steel runners, curved, concaved, full nickel plated and polished ; sizes 8½ to 12 in.

H. S. Howland, Sons & Co., Toronto

Letter Orders filled promptly.

OUR PRICES ARE RIGHT.

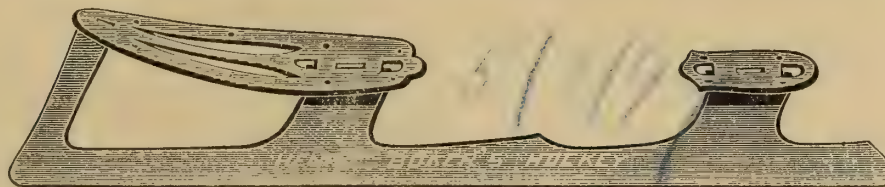
H. S. HOWLAND, SONS & CO.

WHOLESALE
HARDWARE MERCHANTS

37-39 Front Street West TORONTO

"BOKER'S" CELEBRATED SKATES.

"HOCKEY"



"HOCKEY"

- No. 510½—Steel runners, straight, ordinary finish, improved top plates; sizes 8 to 12 in.
 " 515 —Steel runners, straight, full nickel plated, improved top plates; sizes 8 to 11½ in.

"PERFECT" HOCKEY



"PERFECT" HOCKEY

- No. 631—Best quality welded and tempered steel runners, straight, with puck-stopper, fine finish, with blued improved tops and patented cup brackets; sizes 9 to 12 in.
 " 632—Best quality welded and tempered steel runners, straight, with puck-stopper, full nickel plated and polished, with improved tops and patented cup brackets; sizes 8½ to 12 in.

"IDEAL" HOCKEY



"IDEAL" HOCKEY

- No. 639—Extra Extra quality welded and tempered steel runners, straight, concaved, with puck-stopper, full nickel plated and polished, with improved pattern top plates (right and left) and patented cup brackets; sizes 10 to 12 in.

"SPECIAL" RACER



"SPECIAL" RACER

- No. 566—Extra Extra quality welded and tempered steel runners, light, straight, fine finish with improved pattern black rust-proof steel top plates (right and left) and patented cup brackets. For racing and hockey players of light weight; sizes 10 to 11½ in.
 " 567—Extra Extra quality welded and tempered steel runners, light, straight, full nickel plated and polished, with improved pattern top plates (right and left) and patented cup brackets; sizes 10 to 11 in.

"RUSSIAN" RACER



"RUSSIAN" RACER

- No. 117 B—Extra Extra quality welded and tempered steel runners, straight, bevelled, full nickel plated and polished, with polished top plates; sizes 11 to 11½ in.

H. S. Howland, Sons & Co., Toronto

OUR PRICES ARE RIGHT.

Letter Orders filled promptly.

CLEANING STORE WINDOWS.

IN a climate like we have in the Pacific Northwest during the winter months merchants are much annoyed by streaked windows, and as this annual trouble is about to fall upon the retailer, and most of them experienced in window dressing know the trouble and annoyance evolved by the ubiquitous smeary deposit left by the humidity of the fall season, amalgamated with the refuse deposit of gas in the store and street.

While many think that more or less success rests with the practice of using water in which whiting or lime has been mixed, sponging off with alcohol, or polishing with paper, the only ones to hitherto obtain absolute relief have been those few who have adopted the suggestion of Tobacco of running along the base of the window glass a quarter inch strip of tin, which, penetrating the window base, terminated in a funnel over a tiny gas jet or kerosene lamp, the hot, dry air from which was distributed through the perforations along the inner surface of the window glass.

Science, however, has come to the aid of the window dresser, and Prof. Wilbur L. Schovil, of the Massachusetts College of Pharmacy, states that the proper way to clean windows is to use a pail full of water in which half an ounce of concentrated ammonia has been stirred, the window to be thoroughly washed in this solution, then, without drying, polish the entire surface with the contents of another pail full of water in which two ounces of muriatic acid has been stirred, finally polishing with clean, dry cloths. He states the reason for this: Window glass, is, to a certain extent, soluble, and that the streakedness is caused by the liberation (by the first application of water) of alkali contained in the glass, and this being liberated, loosens the silica or flint, and thus produces the streaks. He decries the use of alkali solution alone, but believes it must be used where there is much dirt. It should be remembered that where the window glass is framed in metal considerable care should be taken not to allow the acid solution to penetrate beneath it. Coming from such a high authority, these hints should be worth the attention of the up-to-date window dressing section of the trade, who desire, above all things, bright polished windows, and who realize the undoubted fact that one such gleaming piece of glass shines like a diamond on black velvet, when situate on a thoroughfare in which the great bulk of the other store windows are neglected, streaky, dirty, semi-opaque.—Portland Tradesman.

NEW YORK MARKETS.

PIG TIN—Generally speaking, the situation here is virtually the same as it was a week ago. There is some variation in prices, but nothing remarkable; and business, outside of the purely speculative interest, is all

that could be expected considering the drawback of poor transportation consequent upon the snowstorms. During the past month 2,110 tons have arrived at Atlantic ports. The estimated consumption is several hundred tons in excess of that amount. In other words, the position here is stronger than it was at the beginning of the month, and it is a matter of record also that only 2,700 tons are now afloat for this country, including 2,575 tons on vessels unknown to local official statisticians. Business for the day was at prices in line with 18.45c. net, and 18.50c. free on board for lots of five tons and over. Small jobbing parcels brought about the usual advance, say 0.10 to 0.15c. per 100 lb.

COPPER—Orders of more or less extensive volume have been placed for some varieties of the metal, not excluding Lake Superior ingot, for delivery during the first quarter of next year. The prices are not made public, and are believed to be somewhat open as yet. Fair representative quotations at present are 12¾ to 13c. for Lake Superior ingot, 12¾c. for electrolytic bars, etc., and 12½ to 12⅝c. for casting stock. London cables were slightly lower on merchant bars, and firm for refined.

PIG LEAD—Dealings are as yet rather slow in this quarter; and the demand, while probably somewhat better than of late, is only fair. There was some effort, how-

ever, to give the market a brighter appearance chiefly through stiff bids on early deliveries that are difficult to secure. Sales were reported to-day at 3.67½c. for small lots on the spot, but at the close bids of 3.65c. were solicited for early shipments from primary points.

SPELTER—The market here is still a comparatively small affair, dealings in larger lots than single carloads being infrequent, while the demand is exceedingly tame. Prices are held very firmly, however, at about 5.40c. for ordinary brands delivered here. London cables were somewhat lower and quoted £24 for good merchant brands.

ANTIMONY—Only moderate business is passing, but prices remain steady at 9 to 9½c., as to brand and quantity.

TINPLATE—The market remains flat and buyers are doing as little as circumstances will permit, pending something more than vague statements and rumors regarding results thus far in the direction of combining American manufacturers. Offerings are momentarily on rather small scale by both manufacturers and jobbers.

Steel rails are firm at unchanged prices. Besides those already reported, optional orders, it is stated, have been booked for several prominent railroad companies, including the Pennsylvania and the New York Central. The quantities are, as usual, in doubt, but will probably aggregate over 75,000 tons.—N.Y. Journal of Commerce.



GILBERTSON'S

"COMET"

BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . . 22 St. John St., MONTREAL

For the Painter



EVERYTHING

OIL Pure Linseed, raw and boiled. We are large users of Linseed Oil, and large stocks, carefully strained and tested, are maintained at Montreal, Toronto and Victoria, ready for immediate shipment.

ZINC "Elephant" Snow White. Finely ground, in all sized packages.
Florence White. Flake White.

GLUE Domestic, sheet and broken.
White Glue, Sinew Glue, Kalsomine Glue, Ground Glue.

PAINTS for Dipping—labor-saving and economical.
Every shade. Dry, in paste form or semi-paste.

STAINS Imitating the natural woods. Shingle Stains.
True to nature and thoroughly reliable.

JAPANS Practical painters appreciate a good dryer. The Canada Paint Company make a specialty of Japans and Dryers for every class of work.

SMALTS Black, Blue, Maroon, Purple, Scarlet,
Crimson, Chrome Green, Vermilion, Old Gold.

COLORS Our own manufacture.
The latest processes. The best results.

FILLERS The "Eureka," in paste form. Also dry
and liquid Fillers. Single Coat Surfacers.

BRONZE All shades. For Lining or Dusting.
Gold Leaf, the most reliable brand.

ENAMELS The artist's ideal.
For high-class finishing. All colors.

GRAPHITE For bridge, iron and roof painting.
The most durable paint extant.

CARRIAGE Specialties for Coach Painters. Body Primer,
Ground Rough Stuff, Red Lead, Red Ground Colors.

VARNISHES Our Varnishes are manufactured by experienced workmen, and each tank is carefully tested by experts before shipping. The works are extensive, and the following Varnishes are made and matured: Agricultural Implement, Boat, Carriage, Chair, Damar, Decorators, Finishing, Flowing, Lithographers, Mastic, Piano, Cabinet, Rubbing, Polishing, Shellac, etc.

WHITE LEAD The world-famous "Elephant" brand.
Munro's Selected Flake White. The Decorators' Pure.

<p>TRIPLE STRENGTH COLORS</p> <p>THE MOST POWERFUL TINTER</p>

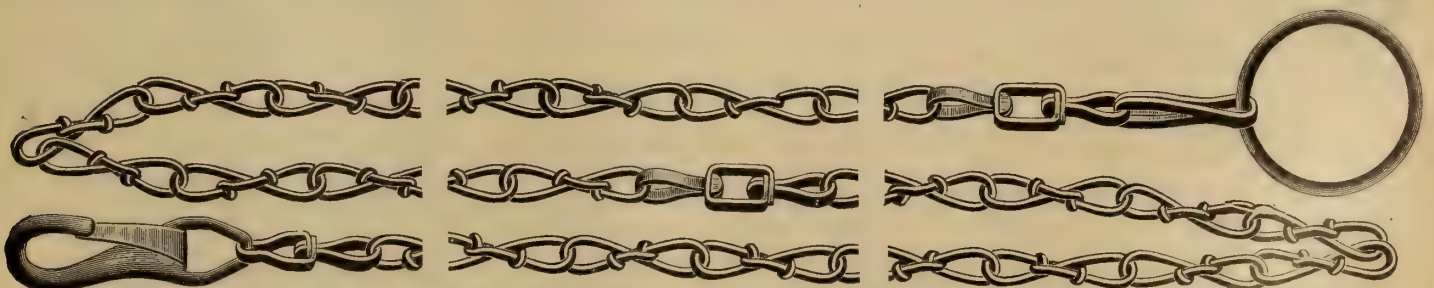
THE CANADA PAINT CO.

(LIMITED)

**Montreal, Toronto and
Victoria.**

Oneida Steel Wire Tie-Out.

For tethering cattle in fenceless pastures.
Made in all sizes. . . .



No Rivets. No Malleable Iron. ALL BESSEMER STEEL.

Made in 20, 30 and 50 ft. lengths.

ONEIDA COMMUNITY, Limited

NIAGARA FALLS, ONT.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

GIRARD & LAFOREST, general merchants, Grand Mere, Que., have assigned.

James Davidson, general merchant, Tracadie, N.B., has assigned.

M. A. Cote, general merchant, Ste. Anne des Monts, Que., has assigned.

J. E. Maranda, general merchant, St. Ours, Que., has assigned to Kent & Turcotte.

E. R. Bellerose & Co., general merchants, Sorel, Que., have assigned to Kent & Turcotte.

Phideas Sirois, general merchant, Riviere St. Jean, Que., is offering 20c. on the dollar.

Metivier & Boivin, general merchants and millers, St. Damien, Que., have effected a compromise.

S. W. Bishop, general merchant, Marbleton, Que., is reported absent. Stock is being taken.

Paradis & Jobin have been appointed curators of A. Gagnon, general merchant, Les Escoumains, Que.

Mantha, Lefebvre & Laperriere, sash and door manufacturers, Montreal, have filed consent of assignment.

C. W. Browne, general merchant, Whitby, Ont., has assigned to J. F. Paxton, sheriff, and a meeting of his creditors will be held on December 3.

Alexander Desmarteau has been appointed curator of Philip Robert, wood and coal dealer, Montreal, and the latter's assets will be sold by tender.

PARTNERSHIPS FORMED AND DISSOLVED.

Charles Giroux & Frere, painters, Montreal, have dissolved.

Aime Marsan and Eugene Bouthillier have registered partnership as builders in Montreal.

E. & L. Morlock, general merchants, Tavistock, Ont., have dissolved, Levi Morlock retiring.

Lacasse & Faucher have registered partnership as general merchants in Notre Dame de Lourdes, Que.

Lockwood & Barrager, dealers in agricultural implements, Belleville, Ont., have dissolved, S. A. Lockwood continuing.

Alfred Levy, Berlin, Germany, has registered as proprietor, with Herman Zingsley as manager, of the business of Richard Hecht, general merchant, Quebec.

SALES MADE AND PENDING.

The assets of Eusebe Levesque, general merchant, St. Pacome, Que., have been sold.

A. McBride & Co., hardware dealers, Calgary, N.W.T., and Rossland, B.C., have sold out their Rossland branch.

The assets of J. H. Bedard, general merchant, Franklin Centre, Que., are to be sold by tender.

The stock of Thos. Girard, jr., general merchant, Napierville, Que., has been sold at 67½c. on the dollar.

CHANGES.

H. P. Hamilton, bicycle dealer, Paris, Ont., has retired from business.

Hugh Rankin, blacksmith, Streetsville, Ont., is removing to Napanee, Ont.

S. J. Woods, harnessdealer, Carman, Man., has sold out to D. Honeywell.

G. R. Munro, blacksmith, Madford, Man., is adding lumber to his business.

Thos. Flowers, sawmill, Crow's Nest Landing, B.C., is removing to Elko, B.C.

J. Knowles, general merchant, Wapella, N.W.T., has sold out to J. Franks, of Hyde, N.W.T.

Baird & Co., general merchants, Pilot Mound, Man., have sold out to Thos. McKay.

Campbell Bros, general merchants, Apohaqui, N.B., have removed to McAdam Junction.

Alfred Christenson, blacksmith, MacLennan, Ont., has been succeeded by Peter McIntosh.

Joseph Bougie, carriagemaker and blacksmith, Edmonton, N.W.T., has sold out to Kelly & Beals.

Joseph Campbell, stove and tinware dealer, Trenton, Ont., has sold out to Collins & Williamson.

The Northern Electric Manufacturing Co., Limited, Montreal, have increased their capital stock to \$1,000,000.

G. Castle, blacksmith, Treesbank, Man., has removed to Dauphin, Man., and has been succeeded in Treesbank by G. Clark.

FIRES.

Isaiah Leslie, general merchant, Port Mouton, N.S., has been burned out; insured.

The Stevens Manufacturing Co., iron and brass founders, London, Ont., have suffered loss by fire.

Glesson & Johnston, dealers in agricultural implements, Deloraine, Man., have been burned out; loss, \$1,200; partially insured.

DEATHS.

A. Bouchard, contractor, Quebec, is dead.

Hormidas Rene, saddler, Stanfold, B.C., is dead.

Wm. Findlater, of Bannerman & Findlater, boilermakers, Ottawa, is dead.

J. R. Booth's sawmill, Ottawa, was partially closed down for the season. Three hand-saws will likely be kept going, giving employment to 100 men. The lumber business was not as good as usual this year because of the Spanish-American war.

PERSONS addressing advertisers will kindly mention having seen their advertisement in Canadian Hardware and Metal Merchant.

FOR \$267.50 I will insert a fifty line advertisement twenty times in fourteen (14) of the best papers, in the 11 largest cities in Canada. A snap for Holiday and Winter Goods. All good mediums, representing a circulation of over 150,000 copies per issue. Write at once for details to THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAPCanadian Patent,
April 3 1897.

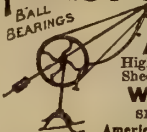
With Plated Rust Proof and Guarded Spring.
"The Latest and Best." Sold by all Leading
Jobbers in Canada.

**PRIEST'S CLIPPERS**

Largest Variety.
Toilet, Hand, Electric Power
ARE THE BEST.

Highest Quality Grooming and
Sheep-Shearing Machines.
WE MAKE THEM.

SEND FOR CATALOGUE TO
American Shearer Mfg. Co., Nashua, N.H., USA

**COATES' CLIPPERS**

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.

Coates Clipper Mfg. Co.
WORCESTER, MASS.



McLaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers
Montreal
Price Lists on application

AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods

We make a
specialty of.....

Can ship promptly and
supply the very best

"Hand Shaved"

**Octagon
Axe Handles**

Made by
Indians

being the largest dealers in Canada in this line.
Can give exceptional value.
Have 5,000 dozen of these handles
on hand, ready for polishing.
Write for prices.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.



EMERY

Cloth and Paper.
Glass and Flint Paper.

"Atlas" Brand

"FLORA" Knife Polish, in 3d. 6d.
and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality
for general and
special purposes.

EMERY GRINDING MACHINERY.



Write for Latest Catalogues and Samples to

THE LONDON EMERY WORKS CO.,

10-12 Vine Street
Clerkenwell,

LONDON, E.C.

Rodgers' Cutlery

*Has stood the test of over
two centuries. None genuine
without our Corporate Mark—
granted 1682.*



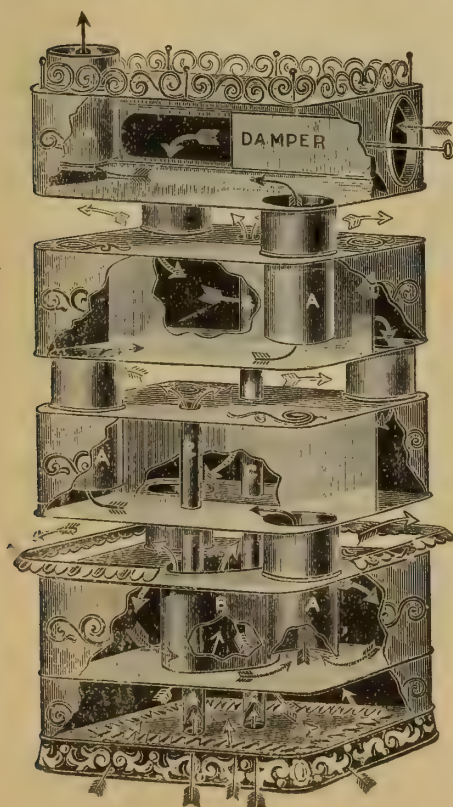
MAKE YOUR CUSTOMERS HAPPY

and make some money for yourself.

If you can save your customers one half of their fuel, or heat an extra room perfectly without additional fuel, do you not think they will be interested?

THE WINNIPEG HEATER WILL DO THIS

consequently it is easy to sell, and you will be surprised how it will advertise your business. **Now is the harvest time for selling these Heaters.** May we send you a sample on approval? Do you want the agency? It will only cost you a postal to get our prices and inducements if you are not too late.



The Metal Shingle and Siding Co.

PRESTON, ONT.

LIMITED

ATTRACTIVE HARDWARE STORES.

PERSONS in touch with any of the many country towns and villages throughout the best portions of Canada must be aware of the keen rivalry between merchants in neighboring towns for the trade of the surrounding districts.

It is not necessarily the largest towns which capture the bulk of the farmers' trade. Frequently, a village of about a thousand population proves a strong competitor to a neighboring town of four or five thousand.

The reason for this is not difficult to determine. A town with merchants who have become so contented with themselves and their way of doing business that they still follow the methods which were in vogue when they were in their apprenticeship is bound to fall behind one where the merchants are enterprising and energetic enough to keep their stores up-to-date and attractive.

The writer saw a store in Halton county, one night last week, on the windows of which were the old-fashioned wooden shutters long ago discarded by bright business men. These shutters, with their iron rod which kept them in place, certainly served a purpose.

They completely shut out from the curious passers the contents of the shop. Why,

forsooth, should the public be allowed to freely feast its eyes on the treasures within? True, the street in front of this particular store was about as dark and dreary as the average back street of a country town. But what of that? The merchant is under no obligations to spend his money in lighting up his windows so that the neighborhood will be more cheerful than it might otherwise be.

Certainly not, but the country merchants of Canada have pretty generally realized that a well-dressed, brightly-lighted window is an advertisement, the value of which is hard to estimate.

In a town where the merchants all keep their windows free to the public gaze at night, there is some pleasure in taking a walk down town; in a town where the merchants practise economy in their window lighting, any pleasure there may be in such a walk can be equally found on any of the residential as well as the business streets.

I was speaking this week to Harland Bros., hardware and stove dealers, Clinton, Ont. This firm has one of the brightest stores I have seen. They some time ago added to their premises the store next the one they were then occupying. The window in this is a fine plate-glass one, capable of holding from four to eight stoves. And from one week's end to the other this

window is full of stoves, the arrangement being altered frequently.

I asked Mr. Harland if he could trace any results to window advertising, and I wish the trade could be impressed with his answer. It was brief, but very pithy. "Results," echoed he, "why I see so much direct results from that one window alone that I believe it, as an advertisement, is worth more to me than the rent I used to receive for the store. My stove trade extend miles in every direction. It is so large that I buy in carloads."

This window cannot boast of a blind, let alone wooden shutters and iron rods.

It is the same with interiors as with windows. The bright, attractive store is constantly encroaching on the business of the poorly-lighted, carelessly-kept place of business. And the bright, attractive town is bound to win trade from the rival place where the business houses give evidence of being away behind the times.

RAMBLER.

IRON COMPANY INCORPORATED.

Edward N. Page and Geo. H. Page, Cohoes, N.Y., David H. Friedman, Albany, N.Y., Randolph Hersey, John C. Hodgson and W. W. Near, Montreal, have been incorporated under the style of The Page-Hersey Iron and Tube Co., Limited, with a capital of \$50,000. The company will manufacture and deal in iron and other metals at St. Henri, Que., and other Canadian points.

PROFITS . .

Only by selling good goods will you create a good reputation. A bad reputation is easy to get. A good local reputation means added capital to a business.

We are prosperous. We are building up a good reputation. We only sell good goods.

We want to sell you the '99 Goodrich-Resflex Single Tube, the '99 G. & J. Detachable, the Morgan & Wright Double Tube if you want a Double Tube.

You can get them on your sample wheels. Just ask to have them on. You'll see how they'll help to make your wheels go.

AMERICAN TIRE COMPANY, Limited

Manufacturers Goodrich-Resflex Single Tubes
and G. & J. Detachable tires.
Importers of Morgan & Wright Double Tubes.

166 KING STREET WEST,

TORONTO

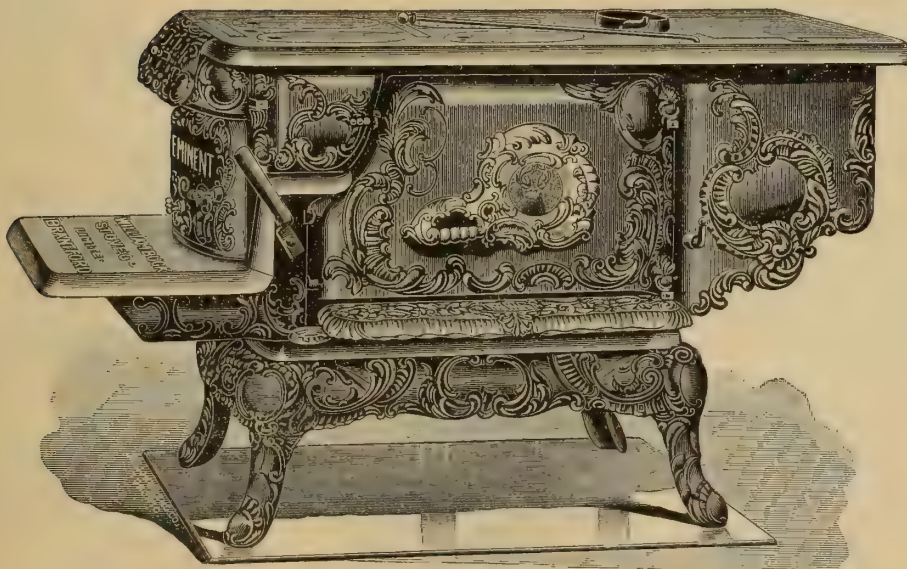
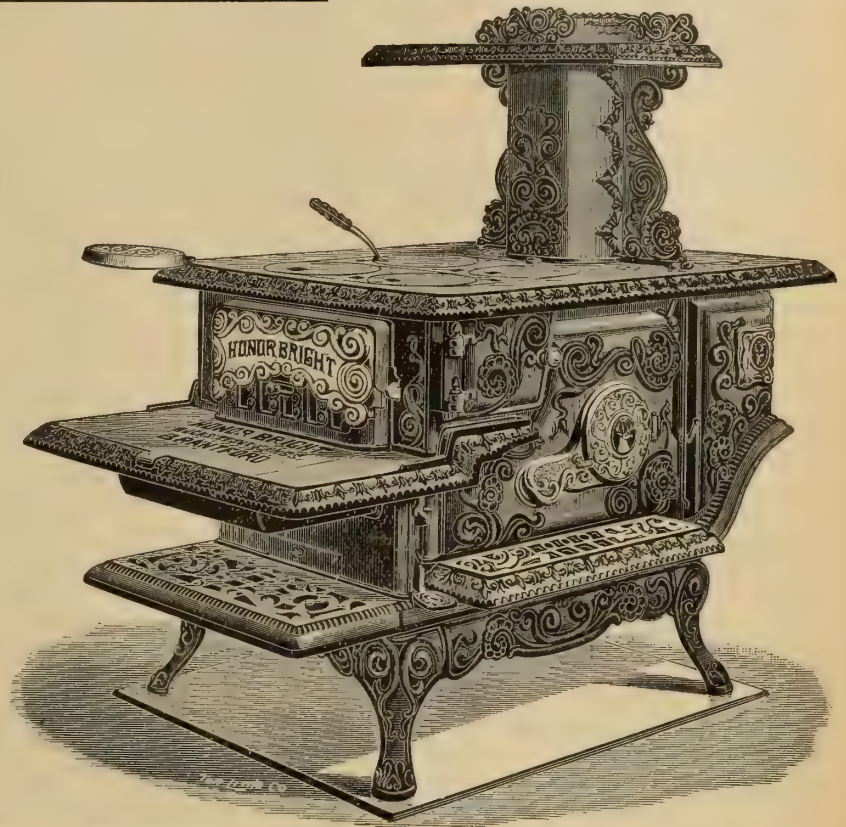
The Finest Cooking Stoves in the World.

"Honor Bright"

FOR WOOD.

Sizes: 9/21--9/23--9/25--9/27

SQUARE
AND EXTENDED.



"Eminent"

FOR COAL OR WOOD.

Sizes: 8/21--9/21--9/23

SQUARE
AND EXTENDED.

We Guarantee Shipment of above Stoves same day Order is received.

The William Buck Stove Co.

WIRE AT OUR EXPENSE.

LIMITED

BRANTFORD, Canada

BRANCH HOUSES:

422 St. Paul Street, MONTREAL.
246 McDermott Street, WINNIPEG.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Dec. 2, 1898.

HARDWARE.

TRADE in hardware, generally, has kept up surprisingly well during the past week, and, in this respect, shows an improvement on last fall, for the decrease in the volume of business that always follows the advance in freight rates has not been as extensive as a year ago. Inquiry is still fairly brisk for wire nails, certain sizes of cut nails, horseshoes, horse nails, screws, bolts and other small goods. Building paper is also inquired for, and pocket and cased table cutlery are asked for to quite a liberal extent, in a sorting way.

BARB WIRE—Business continues dull, and prices are unchanged on the basis of \$2 f.o.b. Montreal.

PLAIN WIRE—Very little doing in plain fencing wire, and other sorts of plain wire are also quiet. Discounts are unchanged.

WIRE NAILS—Makers report a continued good inquiry for wire nails, but the orders now coming in are for smaller quantities. This is not unnatural, for trade has kept up

surprisingly well this fall. The basis remains at \$1.70 to \$1.75.

CUT NAILS—Trade is not less active in cut nails than it was. The base price is unchanged \$1.75 f.o.b. Montreal, Toronto, Hamilton and London.

HORSE NAILS—Trade continues fair, and discounts the same: 50 per cent. on Standard, and 50 and 20 on Acadia brand.

HORSESHOES—Demand for these is maintained. We quote as follows: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35; toe weight, \$5.50.

SCREWS—There is a fair trade in these. Discounts are: Flat head bright 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—Demand for stove bolts is good, and machine and carriage lots are also inquired for. Discounts are: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and

10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5; tire bolts, 70 and 5, and sleighshoe bolts, 80 per cent.

RIVETS—A quiet trade is noted. Discounts are: Iron, black and tinned, all sizes, 65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Demand continues of an indifferent character. We quote as follows: Sisal, 7-16 and up, 10c.; ¾, 10¼c.; 5-16 and ¼, 11c., and 3-16, 11¼c. Manilla was unchanged: 7-16, 11½c.; ¾, 12¼c.; 5-16 and ¼, 13c., and 3-16, 13¼c.

CHURNS—Quite a few of these are still asked for, chiefly in the medium sizes.

CLOTHES WRINGERS—A fair trade is doing and prices remain unchanged at \$29 to \$30 as to brand.

BUILDING PAPER—There is a fair inquiry for building paper. We quote: Tarred fibre, 45c.; dried ditto, 35c.; tarred sheathing, 30c.; dried, ditto, 25c.; tarred roofing, \$1.20.

BELTING—A fair jobbing movement is noted.

Seasonable Goods.



Decorated { Enamelled
Wares.
.. Canadian Make.

A large assortment of
**TEA and COFFEE POTS,
Sugar Bowls, Butter Dishes,
CUPS, PLATES and SAUCERS,
TOILET SETS, Etc.**

Order early for your
Christmas trade.

Perfection Kettles.

**NICKEL
PLATED.**

For Base Burners
Flat Bottom.

FOUR SIZES.

Nos. 4, 5, 6, 7.

Body made of one piece
with neat bent spout.
Handle made with rod in
one piece—cannot fall
apart.

Let us send you a
Sample of each size.



TURKEY TIME.

Famous { SELF
BASTING

...Roasting Pan

THREE SIZES.

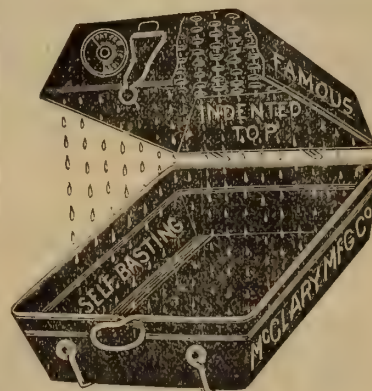
	Length	Width	Depth	List Price
No. 20	14	10	7	\$0.80
No. 30	16	11½	8	1.00
No. 40	18½	12½	9	1.20

Self Basting.

The condensed steam drips from the Indented Cover, continually basting the contents of pan.

Wire shoes on bottom of pan prevent burning on the bottom. No inside tray to collect dirt.

Easily Cleaned.
Properly Ventilated.



The McClary Manufacturing Company

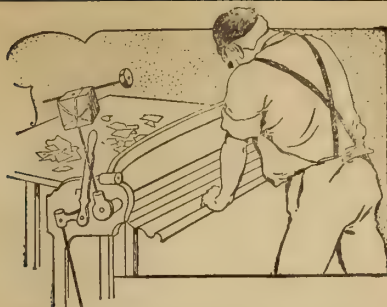
LONDON

TORONTO

MONTREAL

WINNIPEG

VANCOUVER



We never knowingly shipped a sheet of galvanized iron not up to our standard.

Our standard is higher than others think practical.

Apollo Iron and Steel Company
Pittsburgh

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.
FACTORIES

...MONTREAL

CUT NAILS

Clinch and Pressed Nails,
Horse Shoes (Steel and
Iron), Railway and Pressed
Spikes, Mine and Wharf
Spikes, Drift Bolts, Wash-
ers (Steel and Iron).

CANADA IRON FURNACE CO.,
Limited
Manufacturers of

CHARCOAL PIG IRON
MONTREAL.

BRAND "C.I.F." THREE
RIVERS

PLANTS AT

Radnor Forges, Que.
Lac a lac Tortue.

Three Rivers.
Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

HINGES — Unchanged: 6 to 12 inch, \$3.50 per 100 lb.; 14 inch, \$2.50; screen door, \$6.50 per gross, and T and strap, 70 and 10 per cent. off the list.

CUTLERY—Quite a few orders are coming for case lots of table cutlery and also for pocket-knives, the sorting movement in this connection increasing.

SNOW SHOVELS—Inquiry for these has been quite noticeable.

WARE—Plain and enameled household ware of all sorts is inquired for, the latter being the most active.

CEMENT—There is no change in cement, business being very quiet. We quote as follows: Belgian, \$1.85 to \$2.05; German, \$2.35 to \$2.50, and English, \$2.25 to \$2.35, with domestic \$1.95 to \$2.

FIREBRICKS—Quiet and unchanged at \$16 to \$21 per 1,000, as to brand.

METALS.

Heavy iron and metal are less firm at outside markets, but the fact has not affected spot values, which continue generally as last quoted.

PIG IRON—Nothing has been done in pig iron, and values are largely nominal. We quote: No. 1 Hamilton, \$15.25; to \$15.50; No. 2, \$14.75; Ferrona \$14.75 to \$15; Siemens, \$14.75 to \$15, and Summerlee and equal brands, \$18, ex wharf, and \$18.50 to \$19 ex yard.

BAR IRON—Trade is fairly active still, and prices range from \$1.40 to \$1.45, as to quantity.

BAR STEEL—The same remarks apply to this material, prices ruling steady.

HOOPS AND BANDS—A moderate demand is noted, and prices range from \$1.75 to \$2.

SHEET STEEL—There is only a quiet business in this. We quote: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON—Remains dull. We quote: \$2.10 on 10 to 16 gauge; \$1.80 on 18 to gauge; \$2 on 22 to 24 gauge; \$2.10 on 26 gauge, and \$2.15 on 28 gauge.

GALVANIZED IRON—Values are firmly held, and the movement rather light. We quote as follows: "Queen's Head," No. 28, \$4 to \$4.15; and "Comet," No. 28, \$3.75.

INGOT COPPER—Rules steady here, though rather unsettled outside. We quote 13c.

SHEET COPPER—Steady, as follows: 16-oz., 16c., and 14-oz. 17c.; tinned copper, 16-oz., 18c.; 14 oz., 18 1/2c., and planished 14-oz., 24c.

INGOT TIN—The fluctuation outside has not affected local values, which we quote at 20c. for Straits, and 19 1/2 for Lamb and Flag.

PIG LEAD—Quiet, and prices are less

**IRON
STEEL
TINPLATES
WIRE, Etc.**

A. C. LESLIE & CO.

Importers
MONTREAL

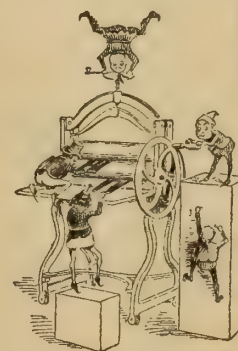
Sanderson's Tool Steel in stock.

"GREENING'S
Cow Ties."

These Cow Ties have stood the test for years. Undoubtedly the best and strongest on the market.

It will pay to handle only the best. A complete line of all sizes ready for shipment. For sale by all jobbers.

The B. Greening Wire Co.
LIMITED
MONTREAL AND HAMILTON.



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited
Cor. Bay and Murray Streets
HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.
Limited
NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

firm than they were, though not quotably changed from \$3.70 to \$3.80.

IRON PIPE—There is a brisk inquiry for iron pipe, and stocks in jobbers' hands are light, except with one or two of the large houses here who have ample supplies. We quote: Black pipe, $\frac{1}{4}$ -inch, $\frac{3}{8}$ -inch, and $\frac{1}{2}$ -inch, \$2.35; $\frac{3}{4}$ -inch, \$2.80; 1-inch, \$3.85; $1\frac{1}{4}$ -inch, \$5; $1\frac{1}{2}$ -inch, \$6.70, and 2-inch, \$9. Galvanized, $\frac{1}{2}$ -inch, \$3.95; $\frac{3}{4}$ -inch, \$4.80; 1-inch, \$6.65; $1\frac{1}{4}$ -inch, \$9.15; $1\frac{1}{2}$ -inch, \$11.75, and 2-inch, \$16.

LEAD PIPE—There is a fair trade doing. We quote as follows: Ordinary, 7c., and composition waste pipe, $7\frac{1}{2}$ c. Discount, 25 per cent.

CANADA PLATE—Demand is quiet, but values are unchanged. We quote as follows: 52's, \$2.15; 60's \$2.30; 75's, \$2.35; full polished, \$3; galvanized Canada plate, 52's, \$3.75.

TINPLATE—A quiet movement is reported in these. We quote: Coke, I. C., \$2.90 to \$3.25; charcoal, I. C., Allaway or Comet brands, \$3.25; do, I.X., \$4.10 to \$4.25; Lincoln, \$3.50; P.D. Crown, I.C., \$3.95; do. I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Moving very little, but values are steady at \$6 to \$6.25.

COIL CHAIN—Demand is fair for coil chain this week. We quote as follows: $\frac{1}{4}$ -inch, \$4.75; 5-16, \$3.50; $\frac{3}{8}$, \$3.15; 7-16, \$3; $\frac{1}{2}$ -inch, \$2.80, and $\frac{5}{8}$ up, \$2.80.

SHEET ZINC—There is a good inquiry, and values are firm at $6\frac{1}{2}$ to $6\frac{3}{4}$ c.

SOLDER—A moderate inquiry is experienced, with values as they were at $12\frac{1}{4}$ c.

ANTIMONY—Very little doing and prices steady at $9\frac{1}{4}$ to $9\frac{1}{2}$ c.

SPELTER—Quiet and unchanged. We quote: Vielle Montague at \$6 to \$6.25, and American at \$5.50 to \$5.85.

GLASS.

The window glass market is quite firm, and with small, and in many cases, poorly assorted stock, another rise in values seems inevitable. Quotations now are: First break, \$1.80; second, \$1.90 per 50 feet; first break per 100 feet, \$3.50; second, \$3.75; third, \$4; fourth, \$4.25; fifth, \$4.75; sixth, \$5.25, and seventh, \$5.75.

PAINTS AND OILS.

The season is now over and naturally little is being done at the factories except repairs and preparations for stocktaking. Jobbers, however, still experience a fair demand. The consumption of paints and varnishes, in fact, during the past season, has been the largest in the history of the trade in Canada, the imports being light, the domestic factories covering the great bulk of the trade. The only new feature of the past week has been a continued speculative

demand for paris green, in which considerable business has been done for early spring delivery. The price has not been given out by the makers, but it is in the neighborhood of $12\frac{1}{4}$ c. for bulk and 14c. for packets. Turpentine is again dearer, in response to advance in the south.

WHITE LEAD—Best brands, Government standard, \$5.62 $\frac{1}{2}$; No. 1, \$5.25; No. 2, \$4.87 $\frac{1}{2}$; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, $4\frac{1}{2}$ c.; kegs, $4\frac{3}{4}$ c.; No. 1, casks, $4\frac{1}{4}$ c.; kegs, $4\frac{1}{2}$ c.

WHITE ZINC PAINT—Pure, 7c.; No. 1, $6\frac{1}{4}$ c.; No. 2, $5\frac{1}{2}$ c.

PURTY—We quote: Bulk, \$1.65; bladders, in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 50c.; boiled, 53c., five to nine-barrels, 1c. less, ten to nineteen, 2c. less, and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 57c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at $8\frac{1}{4}$ to $8\frac{1}{2}$ c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, $4\frac{1}{2}$ to $5\frac{1}{2}$ c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

PETROLEUM.

Business on city account has been of increased volume. We quote as follows: "Crown Acme," the new Sarnia oil, is selling at 16c. in small quantities; Canadian refined, 14c.; American prime white, 17c.; water white, 18c.; Pratt's astral, $19\frac{1}{2}$ c.

HIDES.

Continue quiet and unchanged. We quote: Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3, 7c. Lambskins, 65 to 70c.

MONTREAL NOTES.

There has been a lot of speculation in paris green for forward delivery in the early spring.

Turpentine, as a result of increased strength at primary points, has advanced 2c. per gallon.

Heavy metals generally have shown considerable fluctuation, but the fact has not led to a single change in spot values.

F. McNaughton, of Lamplough & McNaughton, Montreal, left this week on a business trip through Ontario. He expects to be away about a fortnight.

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

**JOHN FORMAN, 650 Craig Street
MONTREAL**

FOX

All-Steel Sash Pulleys

THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.

THEY can be applied quicker than any other Pulley.

THEY are cheap, strong and durable.

**NO NAILS
JUST BORE**

**NO SCREWS
FOUR HOLES**

AIKENHEAD HARDWARE CO.

Toronto.

BELLEVILLE BUSINESS COLLEGE.

ESTABLISHED
1889.

Students have a larger earning power who acquire the following lines of preparation under our efficient system of training. It has no superior.

1. Bookkeeping,
2. Shorthand,
3. Typewriting,
5. Telegraphy, Commercial and Railway Work,
5. Civil Service Options.

Students may commence Telegraphing on the 1st of each month, and the other departments at any time.

Address:
Belleville, Ont

J. Frith Jeffers, M.A.
Principal.

If you want the straightest and most durable Rawhide Whips in the market, order our

Napoleon and Monarch

WHIPS

Every Whip Guaranteed.

Patented and made only by . . .

HAMILTON WHIP CO.

119, 121, 123 Mary St., HAMILTON.

Cheap Whips of Every Style.

ONTARIO MARKETS.

TORONTO, Dec. 2, 1898.

HARDWARE.

THE wholesale trade is brisk for this time of the year, and the business of the past month was much better than for the same month a year ago. A feature of the trade at the moment is the large number of letter orders which the wholesale houses are receiving. There has been no quotable change in prices in any lines as far as can be ascertained. Fence wires of all kinds are still dull. Wire nails are still going out well. Business in cut nails is largely confined to the smaller sizes. The demand continues good for horseshoes and horse nails. Screws, rivets and burrs, and bolts are all selling with a good demand. Rope remains dull. Building paper is scarce and in good demand. Snow shovels are still in demand. For skates, a good many orders are being received. Lumbermen's supplies are scarcely as active as they were a week or two ago. The demand for stoves and furnaces is falling off a little, but manufacturers are still experiencing difficulty in making delivery.

BARB WIRE—Dull. We quote: Four point, \$1.80 f.o.b. Toronto and \$1.85 f.o.b. London; two point at \$1.90 f.o.b. Toronto. Terms, 30 days or 2 per cent. 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—Dull. Discounts are: Annealed, oiled and annealed, bright wire, coppered steel and spring, 37½ per cent. discount off the list, with allowance of freight up to 20c. per 100 lb.; galvanized, 30 per cent.

WIRE NAILS—An active trade is being done for this time of the year. Prices remain as before. There has been a reduction of 5c. per keg in the price in the United States, but it would still cost 20 to 25c. per keg more than the price of the home-made nail to import plus the duty, without taking freight into consideration at all. The base price Toronto, is \$1.75 for small quantities, lower figures ruling on large quantities.

CUT NAILS—Outside a demand for the smaller sizes, there is scarcely anything doing. Base price \$1.75, Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—Trade continues fair in horse nails. Discounts are: Standard, oval head, 50 per cent. Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—The briskness which has been noted during the past few weeks is being well maintained. We quote as follows: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

"Owl" Brand Corrugated Iron



Is better than others.

BECAUSE

The corrugations are pressed one at a time—not rolled—and are exactly uniform, fitting perfectly both at ends and sides without any cutting.

Each sheet is accurately squared before corrugating.

It is entirely free from scale, pin holes or other defects.

We can supply any gauge or size up to 120 x 33-in.

GALVANIZED OR PAINTED.

Specify "Owl" Brand and be sure of enduring satisfaction.

The METALLIC ROOFING CO., Limited

1179 King Street West, TORONTO

SCREWS—A good business is being done in screws. Discounts are: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—Trade is being well maintained. We quote: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¾c.; hexagon, 5¼c.

RIVETS AND BURRS—Trade is being fairly well maintained. We quote: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE—The demand is as dull as ever. We quote as follows: Sisal, 7-16 in. and larger, 10c.; ¾ in., 10½c.; ¼ and 5-16 in., 11c.; Manilla, 7-16 in. and larger, 11½c.; ¾ in., 12c.; ¼ and 5-16 in., 13c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—Trade is keeping fair. We quote: Rope halters, ¾ in., \$8.25

to \$8.50 per gross; ½ in., \$9.25 to \$9.50; ⅝ in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—A fair trade is being done in this line. Discounts are as follows: 60, 10 and 5 per cent. Delivery points are Toronto, Hamilton, London and St. Mary's. Terms, 4 months or 3 per cent. off for cash in 30 days.

CLOTHES WRINGERS—Not a bad business is being done. We quote as follows: "New Leader," "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BELTING—Trade is fair. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

BUILDING PAPER—Stocks in jobbers' hands are getting very much reduced, and it is difficult to get supplies from the mills. We quote as follows: Plain building, 28 to 30c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.45 to \$1.50 for 10 oz. and \$1.50 to \$1.60 for 16 oz. per 100 lb.

LUMBERMEN'S SUPPLIES—Trade has fallen off during the past week, but some fair shipments, notwithstanding, have gone forward to the northern part of the Province.

CEMENT—The market is steady. Stocks are moderate, as is the demand. We quote in barrel lots as follows: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.50; Can-

adian hydraulic cements, \$1 to \$1.10; calcined plaster, \$1.90; asbestos cement \$2.50 per bbl.

HORSE BLANKETS—An exceptionally good trade has been done this season in horse blankets. It appears to have been better than usual.

WARE—In enamel ware, a reasonable quantity has been going out, and quite a number of orders are being taken for future delivery.

SNOW SHOVELS—Are still in good demand at \$2 to \$2.30 per dozen.

CUTLERY—A good seasonable trade is being done.

SPORTING GOODS—A fair trade for the season is being done. A scarcity of ammunition for Snider rifles is to be noted.

FURNACE SCOOPS—There is a good demand for them at \$6.60 per dozen.

METALS.

The metal market continues to rule firm, and there is a fair business being done. A good many orders are being booked for future delivery.

PIG IRON—The outside markets are a little more active with prices firm. We quote: Hamilton iron on track Toronto at \$14.50 for No. 1; \$14 for No. 2, and \$13.50 for No. 3. United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80.

BAR IRON—Trade keeps fair. Base price, \$1.45 from stock and \$1.35 from factory.

BAND IRON—There is not a great deal being done. We quote: \$1.65 to \$1.75 per 100 lb. for Canadian and \$2 for imported.

SHEET STEEL—Very little doing. We quote: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Dull. We quote as follows: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—The demand for prompt shipment is still good, and a good many orders are being booked for shipment in January, February and March. We quote as follows: Queen's Head, 16 gauge, \$3.75; 18 to 24, \$4; 26 gauge, \$4.25; 28 gauge, \$4.50. American makes, 16 gauge, \$3; 18 to 24, \$3.15; 26 gauge, \$3.40; 28 gauge, \$3.75. In "Queen's Head," less than case lots, are quoted 25c. per 100 lb. higher than above figures.

INGOT COPPER—The outside markets rule steady, but no striking features have

developed during the week. Locally, trade is fair at 13 to 13½c. per lb.

PIG LEAD—A little business is being done at 4c. per lb.

LEAD PIPE—Trade is still firm. We quote: Ordinary pipe, 7c., and composition waste, 7½c., with 25 per cent. discount.

IRON PIPE—A good demand is this week being experienced for iron pipe, and fresh supplies are being taken into stock by the jobbers. We quote: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.25 to \$2.30; ½ inch, \$2.30 to \$2.35; ¾ inch, \$2.80; 1 inch, \$3.95; 1¼ inch, \$5.20; 1½ inch, \$6.75; 2 inch, \$9.10. Galvanized, ½ inch, \$3.95; ¾ inch, \$4.80; 1 inch, \$6.75; 1¼ inch, \$9.15; 1½ inch, \$11.75; 2 inch, \$16.

INGOT TIN—A confident feeling characterizes the outside markets. The local demand is fair, at 21c. for Straits and 21½c. for Lamb and Flag. Some fair orders are being received.

RANGE BOILERS—A good trade is still to be noted. We quote: Galvanized, 30 gals. \$5.25; 35 gal., \$6; 40 gal., \$7; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES Several nice lots have been sold during the week, although the season's trade must necessarily be nearly over. We quote: All-bright, \$2.85 to \$3; half-polished, \$2.35; all-dull, \$2.25.

TIN PLATES—A fair trade is being done. We quote: \$4.75 to \$5 for I.C.; \$6 to \$6.25 for I.X., and \$7.25 to \$7.50 for I.X.X.

COIL CHAIN—Trade is quiet. We quote: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ⅝ in., \$2.80; ¾ in., \$2.75.

SHEET ZINC—Stocks are getting low and prices are being firmly maintained at 7¼c. for cask lots and 7½c. for smaller lots.

ZINC SPELTER—Prices are still advancing in the outside markets. Locally, there has been no further change. We quote 5¼ to 6c. per lb. for foreign.

SOLDER—There is just a moderate demand for this article. We quote: Half-and-half, 13½ to 14c.; standard, 13 to 13½c.; wire, 13c.; wiping, 11½c.

PAINTS AND OILS.

A lull seems to have come over the paint and oil trade, and the manufacturers and jobbers are preparing to "toot up" the results for the past season. The year has admittedly been a good one for the Canadian manufacturers and the trade has been well served by the home makers. There has been some inquiry for paris green from the jobbers who were anxious to know the figures for spring delivery. There is only one factory making paris green, and they think it

premature to issue a price list at present. Several jobbers, who hold a little paris green, are asking 12c. per lb. in casks, and 14c. in packages, net cash for immediate delivery. A few sales have been reported on this basis. All staples contingents decidedly firm. White lead is higher in the primary markets, but grinders here have not yet made any advance. Turpentine has advanced 2c. per gallon on the local and provincial markets. A combination of the linseed oil manufacturers of the United States has been formed, but, as the Canadian market is largely dominated by the British market, it is not likely any part of Ontario, except, possibly the border towns, will be affected. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lb., \$4.75; ditto, No. 1, in casks of 560 lb., \$4.50; genuine, in kegs of 100 lb., \$5; ditto, in kegs of 100 lb., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lb.; 50c. per 100 lb. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed):

ISLAND CITY Paint and Varnish Works

.. Manufacturers of ..

**READY MIXED PAINTS and
FINE COACH VARNISHES.**

WAREHOUSES: 100 and 102 Bay St., TORONTO.
188 and 190 McGill St., MONTREAL.
WORKS 274 St. Patrick St., MONTREAL.

Raw, 1 to 4 barrels, 51c.; boiled, 1 to 4 barrels, 54c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 58c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

There is still a steady demand for window glass. The market is as firm as ever, and stocks are more reduced than ever. Plate and ornamental glass are moving steadily. We quote window glass as follows: Star, first break in 50-foot boxes, \$1.80 and in 100-foot boxes, \$3.50; double diamond under 25 united inches, \$5.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL

The demand for all lines is active. No change in prices is noted. We quote as follows: Agricultural scrap, 40c. per cwt.; machinery cast, 52c. per cwt.; stove cast scrap, 30c.; No 1 wrought scrap, 40c. per 100 lb.; new light scrap copper, 8c. per lb.; bottoms, 8c.; heavy copper, 8¼ to 8½c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2¼c.; scrap rubber, 3½ to 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c per 100 lb.

HIDES, SKINS AND WOOL

HIDES—No change in price. Market weak. We quote: No. 1, 8½c.; No. 2, 7½c.; No. 3, 6½c.; cured, 9c.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Shearlings and lambskins have advanced 5c., and are now firm at 80c.

WOOL—The market is dull at 15c. for fleece and 10c. for unwashed.

COAL.

Shippers are now in a better position to fill orders, as the car supply is more adequate. Prices are firm and unaltered. We quote anthracite at Buffalo bridges: Egg, nut and stove, \$4.25 and per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

PETROLEUM.

The demand keeps brisk. Prices are unchanged. We quote at Toronto: Canadian, 13½c.; Sarnia water white, 15c.; American water white, 16½c.; Pratt's astral, 16c., in bulk.

MARKET NOTES.


Turpentine has advanced 2c. per gallon. Bertram, Wilson & Co., Toronto, during the past month, experienced a good demand for lumbermen's supplies.

PERSONAL MENTION.

Mr. C. F. Grover, who has for several years been with H. S. Howland, Sons & Co., representing them in Ontario, left the other day for British Columbia, where he will represent the same firm.

Mr. E. H. Lyons, formerly with Seigel, Cooper & Co., New York, returned to Toronto the other day from Chicago, where he

~6,800 Daily Production.
5 Factories.
5 Brands.
For Sale all over the world.



NICHOLSON
FILES

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited.

Established 1773

Manufacturers of **POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS.** Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glas," St. Helens. Telephone No. 68 St. Helens.

CLOSED.



BARCLAY'S PATENT "TRIUMPH" Adjustable Stove Pipe

Can be put up by the most inexperienced.
So constructed that when taken down can be nested and stored in small compass.

Manufactured by

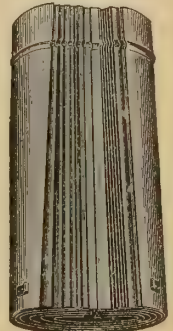
G. B. BARCLAY

168 Adelaide St. W.

TORONTO

NESTED.

In Crates of 25.



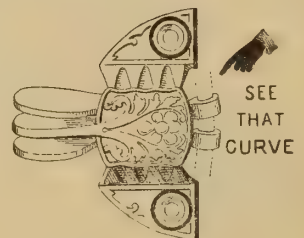
The Philosophy of the Cooke Sash Lock:

"A straight rod can't pass through holes that are not in line."

"The Rod of the Cooke Sash Lock is straight."

"The Holes in the lugs are never in line except when thumb pieces are pressed together."

"You can't forget to lock securely; when your hand leaves the thumb pieces, the sash is locked."



COOKE HARDWARE CO.

HAMILTON, ONT.



B.B. WROUGHT ORNAMENTAL PIPE STRAPS

Made also in Malleable Iron.

These are a distinct advance over the old plain straps, being much stronger and neater.

Write for Catalogue and Prices.

BERGER BROS. CO.

Tinners' Hardware and Roofers' Supplies,

PHILADELPHIA, PA.,

Office and Stores,
231 and 237 Arch Street.

had been in connection with the import and export business, which he is going into in London, Eng. He was accompanied by Mr. J. Lyons, formerly of M. & L. Samuel, Benjamin & Co., but now western representative for Sydney, Shepard & Co., Buffalo.

ARE YOU INTERESTED?

Before another week has passed by, decoration for "Christmas trade" will be in

full swing, and every storekeeper is looking about for the best and latest ideas on displaying goods. Boeckh Bros. & Company are showing some excellent photos along this line, exhibiting the merits and advantages gained by using their adjustable show and display table. They are not only useful at all times, but are ornamental. As every storekeeper offers some special attraction during holiday season, one or more of these display tables will be found useful.

CLEARING SALE OF HARDWARE.

H. S. Howland, Sons & Co., Toronto, who, it will be remembered, recently purchased the general hardware stock of M. & L. Samuel, Benjamin & Co., have decided to inaugurate, on Monday next, a clearing sale of the stock which still remains in the warehouse of the original owners. The goods are now being sampled on the face of the packages, so that the trade can readily see them. This will be an opportunity for hardware buyers to secure bargains. Included in the stock is a quantity of cutlery, skates, tinware, building hardware, mechanics' tools, etc. Although the sale will be continued until the stock is all sold, yet intending buyers should inspect the goods ere many of them have been disposed of.

A SKATE ADVERTISEMENT.

Attention is called to the advertisement on another page of this issue of H. S. Howland, Sons & Co. In this advertisement they are illustrating a complete line of spring, hockey and racing skates. One has only to take a walk through the warehouse of the firm to learn that their stock in this line is a complete one. It is quite possible, on account of the early setting in of the winter, that the demand for skates may exceed the supply in some sizes, as, it will be remembered, a number of skates went down with the steamship Westmeath.



Ontario Nut Works, Paris
BROWN & CO.

Manufacturers of
All sizes of Hot Pressed
Nuts, Square and Hexagon

KNOX HENRY.

Heavy Hardware and Metal Broker
Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—C Brand Horse Nails—Canada Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—Chalcraft Screw Co.

BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.

LIMITED

B. & S.H. THOMPSON & CO.

Agents for Canada

MONTREAL

ADAM HOPE & CO.

30 JOHN STREET

Hamilton

Offer for Prompt Shipment

CANADA PLATES

ALL BRIGHT, 18 X 24 and 18 X 21
HALF BRIGHT, " "

Galvanized Iron,
Queen's Head and Juniata.

**BOLTS STOVE
TIRE**

RIVETS OF ALL KINDS.

Montreal Agent—KNOX HENRY,
Board of Trade Bdg.

Toronto Agent—LOUIS HUFFMAN,
1634 King Street West.

**CHALCRAFT
SCREW CO.**

BRANTFORD, ONT.

We are the Oldest and Largest Manufacturers of

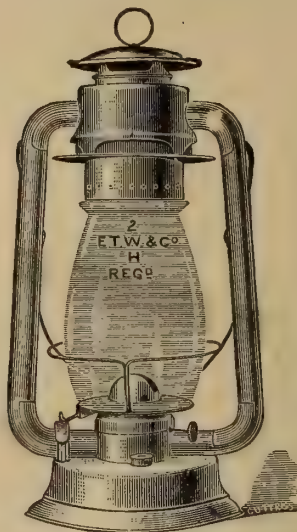
**SCREWS and
BICYCLE PARTS**

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

The...

John Morrow Machine Screw Co.

Ingersoll - Ontario.



The Best in the Market.

E. T. WRIGHT & CO.

Hamilton,

Canada

**The Rochester Lamp Co.**

Manufacturers of the

**New
Rochester
Lamp . .**

Most Perfect of all Lamps.

Made in Great Variety.

**NEW ROCHESTER
PARLOR OIL HEATERS.**

Also...

5 o'clock Teas

Mica Goods

Gas Goods, and other lines.

Many handsome lines for Xmas selling in stock at
Toronto Store.

24 Front St. W.

TORONTO, Canada

The John Bowman Hardware and Coal Co.

LONDON, ONT.

We have received into stock full lines of ~~—————~~

**Wapacut and
Rodgers'**

BUTCHER KNIVES

We carry an immense stock of Cutlery of all leading makers for Christmas trade.

SEND US YOUR ORDERS.

PROMPT SHIPMENT.

PRICES RIGHT.

FACTS About Horse-Nails.

We never depreciate the quality of our competitors' goods.

WE DO SAY

That "Monarch" Horse-Nails are made from the best quality of Swedish stock. Are the safest to use, the best to drive, and will hold the shoes on longer and tighter than any other nail made in Canada. This is a strong statement, but testimonials from blacksmiths, which we are constantly receiving, confirm it in every particular.

A PENNY SAVED, IS A PENNY EARNED.

Two-thirds of one cent on each set of shoes is fifty cents on each box of twenty-five pounds of nails.

We are always pleased to quote prices and send samples, and it will pay you to write us before purchasing.

MARITIME NAIL COMPANY, Limited
ST. JOHN, N. B.

ABOUT HORSE-NAILS:—

Two-thirds of one cent represents very fairly, the total amount a farrier will apparently save on the average cost of nails consumed in shoeing a horse, by using the cheapest grade, and lowest priced horse nails sold in Canada, as compared with the cost of the best obtainable, viz.: the old and reliable "C" brand.

A 25-lb. box of No. 8 "C" brand oval head horse nails contains about 2,500 nails, which quantity will be sufficient to shoe seventy eight horses, allowing 32 nails to each full set of shoes. The farrier will receive at least one dollar and twenty-five cents as his charge for each set of shoes; in some localities more; the total value of his services for shoeing 78 horses, will therefore, at current rates, average about one hundred dollars; on this amount it is possible he can reduce the cost of material used by about fifty cents, in substituting a box of "cold process" or other cheap grade horse nails, which are made from American Steel Wire Rods. **This reduction in cost represents about two-thirds of one cent on each set of shoes; or one-half per cent. on the value of the work when done!** We believe if these facts were made known, that every intelligent farrier in Canada, who takes a pride in doing only the best work, would not hesitate to pay such a trifling advance as two-thirds of a cent for the "C" brand nails, which we claim are not only the best in Canada, but are not surpassed by any other maker in the world. We have made and sold horse nails exclusively in Canada for the last 33 years, always using the best quality of Swedish Charcoal Iron Nail Rods as our material, and by our process of manufacture producing as perfect a nail as possible in quality, pattern and finish. A reduction in cost of manufacture by using other than the best Swedish material, or the "hot-forged" process, is effected at the expense of quality. Our nails will be found easier to drive, to prove tougher, and hold the shoe on longer than others; therefore more economical to use. Every nail we sell you under the "C" brand is fully warranted to be perfect; therefore no risk in buying, nor trouble in selling them. It is false economy to purchase "cheap" nails; the best are always the cheapest.

You can do all your horse nail business with the "C" brand. Why keep two stocks on hand? When your orders are sent through any hardware merchant, always insist upon having our nails, and refuse all substitutes. If you cannot obtain the "C" brand, please advise us. Our name and brand is on each box of our manufacture; none otherwise are genuine. Prices and samples on application.

CANADA HORSE NAIL COMPANY
MONTREAL.

MANITOBA MARKETS.

WINNIPEG, Nov. 28, 1898.

BUSINESS continues to improve slowly, and hardware wholesale houses are very busy disposing their stocks received by the late arriving boats. Glass shows another advance, and is now \$2.25 base; double glass, 10 per cent. discount from Canadian lists. Horseshoes show a slight advance. other goods remain without change.

Mr. J. H. Ashdown is making a trip to British Columbia, and visiting his branch house en route. He expects to return via the Crow's Nest Pass.

The opening of deer shooting has increased the sale of rifles and ammunition.

Prices are as follows :

Barb wire, 100 lb.	\$2 40
Plain twist wire and staples.	3 00
Oiled annealed wire.	10 20
"	11 20
"	12 00
"	13 15
"	14 30
"	15 35
Wire nails, 30 to 60 dy, keg.	2 35
" 16 and 20	2 40
" 10	2 45
" 8	2 50
" 6	2 65
" 4	2 75
" 3	3 00
Cut nails, 50 and 60 dy.	2 15
" 20 to 40	2 20
" 10 to 16	2 25
" 8	2 30
" 6	2 35
" 4	2 60
" 3	2 85
" 3 fine	3 15
Horse nails, 45 per cent. discount.	
Horseshoes, iron, light, medium and heavy, keg.	4 00
Snow shoes.	4 25
Steel, light.	4 15
" extra light.	5 75
Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	
Tool steel, Black Diamond, 100 lbs.	8 00
Jessop	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge.	3 75
28 gauge.	4 00
Galvanized American, 16 to 24	

gauge	4 00
26 gauge.	4 25
28 gauge.	4 50
Genuine Russian, lb.	12
Imitation	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge	7 50
28 gauge	8 50
Tin plate, 1C charcoal, 20 x 28, box	8 50
" IX	10 50
" IXX	12 50
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lbs	6 50
Broken lots	7 00
Pig lead, 100 lbs.	4 25
Wrought pipe, black, 1/4 inch	2 50
" 3/4 inch	2 75
" 1/2 inch	3 00
" 1 inch	4 00
" 1 1/4 inch	5 00
" 1 1/2 inch	7 00
" 2 inch	8 50
" Over 2 inch	11 50
Rope, sisal, 7-16 and larger.	65 p.c.
" 3/4	11 00
" 1/4 and 5-16	11 50
Manilla, 7-16 and larger	12 00
" 3/4	12 50
" 1/4 and 5-16	13 00
" 3/4	13 50
Cotton, all sizes, lb.	15
Axes, per box	\$5.50 to 8 00
Screws, flat head, iron	85 p.c.
Round "	77 1/2 p.c.
Flat " brass	80 p.c.
Round "	72 p.c.
Bolts, carriage	60 p.c.
Machine	60 p.c.
Tire	55 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	50 p.c.
Copper, No. 8, lb.	28c.
Spades and shovels	40 p.c.
Harvest tools	60 to 60-10 p.c.
Axe handles, turned, s. g. hickory, doz.	\$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal.	58
" boiled	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	25 p.c.
" military	15 p.c.
American R.F.	35 p.c.
C.F. pistol	5 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	\$20 00
Eley's 12 gauge, M.	16 00
American, M.	16 25
Shot, Ordinary, per 100 lbs	6 75
Chilled	6 75
Powder, F.F., keg.	4 00
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed.	70 and 30 p.c.
Granite ware, according to quality.	50 to 60 p.c.

THE BERTRAMS' LATEST STEAMER.

The new steamer, the Toronto, built by The Bertram Engine Works Co., Limited, of Toronto, for the Richelieu and Ontario Navigation Co., is giving good satisfaction in the tests which are being made. Her first trial trip was made on Nov. 22, when she was out on the lake for three hours, and the machinery worked almost as smoothly as if the boat had been in commission for some time. On Thanksgiving Day a trip was made to Hamilton and return, when the boat was tested somewhat as to her speeding qualities. In one hour and three minutes she made 20 miles, which is about three miles an hour faster than the contract called for. The Bertram Engine Works Co. is to be congratulated upon the success which has attended its construction of the boat.

"RAMBLER" AND "IDEAL" BICYCLES.

Bertram, Wilson & Co., wholesale hardware dealers, 53 Yonge street, Toronto, promise to do a large business in bicycles again during the coming season. They have again secured the agency of the "Rambler" and "Ideal" wheels, and will this year control their sale in Ontario, Quebec and the Maritime Provinces. The firm's staff of travelers is now covering these various territories.

The price of the "Rambler" for 1899 is \$50, instead of \$70, as formerly. This has had the effect of greatly increasing its sale already. The "Ideal," which sells at \$35, and has all the latest improvements and is fully guaranteed, is also selling well.

BACK FROM GERMANY.

Mr. F. Loos, of Becherer, Loos & Co., has just returned from a three months' visit to Germany, in connection with their business. Speaking of business in Germany, he said: "Everything is booming there, and all manufacturers are looking for higher prices."

WE CAN FURNISH

Repair Plates for all makes of Stoves, Ranges and Heaters

of the late firms of J. M. Williamson & Co., Hamilton; Hart, Smith Mfg. Co., Belleville; Toronto Stove Mfg. Co., Toronto; John Findlay & Son, Montreal, and all bearing our name.

Wm. Clendinneng & Son - St. Cunegonde, Montreal.

IRON FOUNDERS AND STOVE MANUFACTURERS.

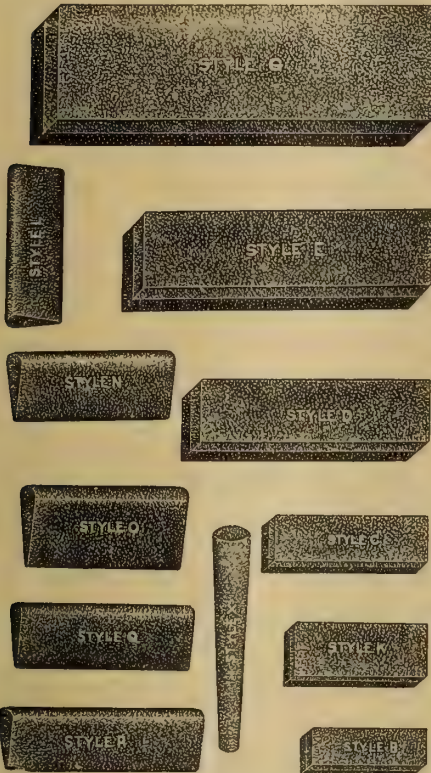
FIRMS COMMENCING BUSINESS.

Edwin Grant is opening up as hardware dealer in Minto, Man.

D. Gibson is opening up as hardware dealer in Souris, Man.

Blakeman & Robins are starting out as dealers in implements in Virden, Man.

E. C. Young is about opening business as blacksmith in Bridgetown, Man.

EMERY OILSTONES and SLIPS

COOKE HARDWARE CO., Hamilton.

ILLINOIS CUTLERY CUTS!

No. 1 Bread Knife Set.

One each, Bread, Cake and Paring Knife, malleable handles firmly riveted to steel blades, will cut hot or cold bread without crumbs. Each set in paper box.

PAT. AUG. 15. 1893



Combined Grater and Slaw Cutter.

The only one; slicer and grater are detachable; slicer sheet made of Apollo galvanized iron with steel cutting blades. It will slice cabbage apples, potatoes, cucumbers, onions, turnips, beets, and everything in the vegetable line. It is a time and labor saver; is used in the kitchen every day.



Famous Parer and Slicer.

Polished beech handle, nickel plated steel blade and ferrule, takes off an even peel, easily sharpened and cleaned. The best paring knife for potatoes, apples, pears, turnips, quinces and firm peaches. Write for our catalogue.

Sole Canadian Agents, Equire, Watson & Co., Montreal, Canada; Chas. E. Santo, London, Canada.

ILLINOIS CUTLERY COMPANY,
Decatur, Ill., U. S. A.

NOW is the time to
lay in a Stock of...

CHAMPION FURNACE BRUSHES

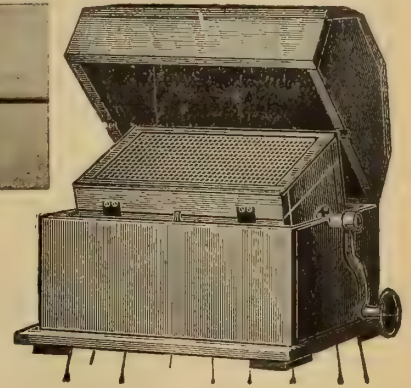
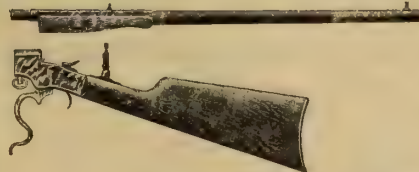
Steel Block—Steel Brush—Steel Handle—ALL STEEL.

Also of.. Champion Cinder Sifters

The best sifter in the market. No dust—easy to work. Never gets out of order, and cleans cinders perfectly. Send for prices.

MEAKINS & CO.

313 St. Paul Street, MONTREAL

**STEVENS RIFLES THE FAVORITE**

is made in three calibres

22, 25 and 32 Rim Fire

and is the best low-priced rifle made. Highest quality of work. Accuracy guaranteed. Weight, 4½ lbs.

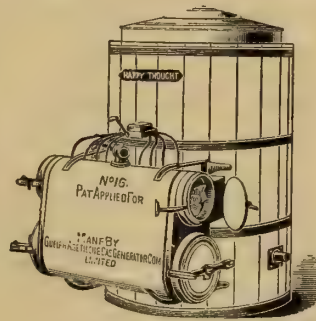
No. 17, Plain Sights— List \$ 8.00
No. 18, Target Sights— " 11.50
No. 19, Lyman Sights— " 12.00

Send for our complete catalogue.

J. STEVENS ARMS & TOOL CO.

For Sale by All Leading Canadian Jobbers
At Trade Discounts.

P.O. Box 215, CHICOPEE FALLS,
MASS., U.S.A.

**ACETYLENE GAS**

Perfect Light

Perfect Safety

Our Machine is Automatic. Safe.

Sold only through the local Hardware and Plumbing Trades, etc.

No Peddling.

Write Us.

THE GUELPH ACETYLENE GAS CO.

GUELPH, ONT.

Limited

IMPROVED

Labor-Saving

CARPENTERS' TOOLS.

STANLEY

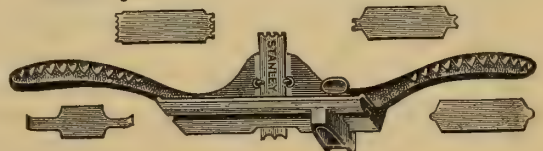
RULE & LEVEL CO.

New Britain, Conn.

SOLD BY ALL

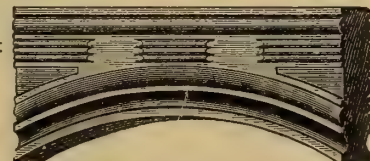
Hardware Dealers.

Stanley's Universal Hand Bearer.



For Beading, Reeding, Fluting, or for light Routing.

SAMPLE
OF
WORK



DONE
BY
BEADER

No. 66. Nickel Plated, with seven Steel Cutters \$1 00

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of
Tinplates, Tinned Sheets, Terne Plates, Canada Plates Galvanized Sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

PATENTS PROMPTLY SECURED

Write today for a free copy of our interesting books "Inventors Help" and "How you are swindled." We have extensive experience in the intricate patent laws of 50 foreign countries. Send sketch, model or photo. for free advice. **MARION & MARION, Experts,** New York Life Building, Montreal, and Atlantic Building, Washington, D. C.

HEATING AND PLUMBING

A PLUMBER'S VIEWS ON PUBLISHING PRICES.

THE following interesting communication is from a correspondent of The Metal Worker:

Those who oppose the publication of prices on plumbing supplies frequently make the assertion that there is no necessity for it, as the plumber is kept posted on prices by the appressive army of sellers who are constantly on the road soliciting orders. It is true that the traveling man is very much in evidence, and that he can and does impart a great deal of useful information, but it is also true that his only object in calling on the plumber is to sell him goods, and, what is more, to sell him at just as high a price as he can get. For this reason, some plumbers buy their supplies at a lower figure than others, although they do not always buy in larger quantities or pay more promptly than the ones who pay a higher price. They simply hold out for a better price than is first quoted, and haggle with the salesman until he makes some concession in order to effect a sale, while others buy without attempting to beat the salesman down or questioning the correctness of the first price given. Every salesman on the road claims to represent a one-price house, while, in fact, there are very few, if any, who do not sell from an adjustable price-list.

This may be the fault of the salesman, who is interested in getting good prices no less than in selling large bills of goods, and who has a reputation to gain or maintain, and, knowing that some buyers expect him to make a drop of some sort before they order, he feels compelled to start high enough to allow of a fall. Or the fault may lie with the house he represents, as, competition being keen, they probably feel that it is necessary for them to get as good prices for their goods as possible.

But, no matter where the fault lies, the fact remains that, under the circumstances, the traveling man is anything but a reliable market report, and so long as prices are quoted in this way, which might properly be termed the toboggan system, just so long will the plumber be more or less at the mercy of the traveling man, if he has no other means of keeping informed.

It is not possible for a journal, which is published in the interests of any one class of tradesmen, to publish news in which its readers are more vitally concerned than in the prices of goods they are constantly buy-

ing and selling. It may be entertaining to read about a member of the craft having a gold-headed cane presented to him, or to learn who is the champion fat man in the profession, but such information does not render any efficient aid to the tradesman in the scramble after the unsanitary lucre. What the plumber needs to know more than anything else is just what the materials he uses in his business are selling for, and he has a right to expect the trade journal which he takes to keep him informed as to the prices prevailing in the market in which he buys.

Then, too, the question of convenience must be taken into consideration. Even if the quotations of the traveling man could be absolutely depended on, he, like a policeman or a gun, is never at hand when wanted, but the plumber knows just where the last copy of his trade paper is, and he knows just when the next one is coming. This publishing of prices is for the plumber's benefit, and it is an innovation which he should welcome with open arms. No good reason has yet been given why it should not be done.

THE PLUMBING REGULATIONS.

Very few citizens realize how serious it is not to comply with the plumbing rules and regulations of the city health board. On the first complaint the property is inspected and a report made thereon. If the plumbing is not found to be in compliance with the law, then the owner is notified to have it placed in such condition as called for by the rules and regulations. Then if the owner refuses to have the work done he is summoned in court, and if the offence is proven the fine is \$50. After the case once gets into court it matters not whether the work has been done in the meantime, as the defendant is still liable to the amount of the fine in addition

to the heavy cost of making the alterations.
—Chronicle, Halifax.

PLUMBING AND HEATING CONTRACTS.

Fiddes & Hogarth have contracts for plumbing and gas-fitting two stores and residences at 775 and 777 Yonge street, Toronto, and for remodelling the plumbing in the Woodbine clubhouse.

Tenders for steam-heating the Church of St. Hermenegilde, Stanstead county, are asked for.

J. Lamarche, plumber, Montreal, has secured the contract for the new copper roof of the Montreal post office.

Blouin, Desforges & Latourelle, Montreal, have the contract for heating St. Jerome church with hot water.

PLUMBING SUPPLIES ACTIVE.

Evidence of the general activity in plumbing throughout the country is given by the report of The Aikenhead Hardware Co., who state that the demand for pipe dies and tools, such as trimo and stillson wrenches, is far in excess of that noted in any of the preceding years. Fairbanks patent asbestos disc globe valves, and the Kady gate valve, with reinforced asbestos ring, are also meeting with an exceptional demand.

PRICE OF PLUMBERS' BRASS WORK

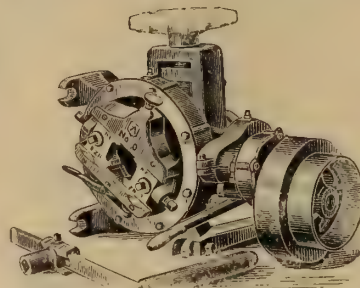
There are indications of higher prices for plumbers' brass work, owing to the strong market position of the metals entering into the composition of brass. It has recently been the policy of the manufacturers' association to advance the price only of a few articles at a time, but it is not considered improbable that higher prices all along the line may rule.—Metal Worker, November 26.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.



No. 0 Threading Machine, with power attachment.

THE ARMSTRONG MFG. CO.

New York Office:
139 Centre Street

Bridgeport, Conn.

THE ..
DOMINION RADIATOR COMPANY

LIMITED

Dealers
 in the most complete line of

Steamfitters' Specialties

HEAD OFFICE and WORKS:

340 to 376 Dufferin Street

TORONTO, ONT.



Steam Traps, Separators
 Wrought Iron Pipe
 Cast and Malleable Fittings
 Also Galvanized Pipe and Fittings
 Brass and Iron Body Valves, etc.

THE
 New White Metal Polish
“Nanon”

The Queen of Polishes.

Imparts instantaneously a dazzling and lasting
BRILLIANCY
 to Brass, Tin, Nickle, Zinc, Gold, Silver, etc. Free
 from grit or emery, and will not scratch the finest
 surface.

Samples on Application.

LAMPLOUGH & McNAUGHTON
 Montreal

Sole Agents for Canada.

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.
 Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
 H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
 Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
 Wholesale trade only.

IRON PIPE and FITTINGS

Valves and appliances for

STEAM and HOT WATER HEATING.

THE JAS. MORRISON BRASS MFG. CO.
 TORONTO Limited

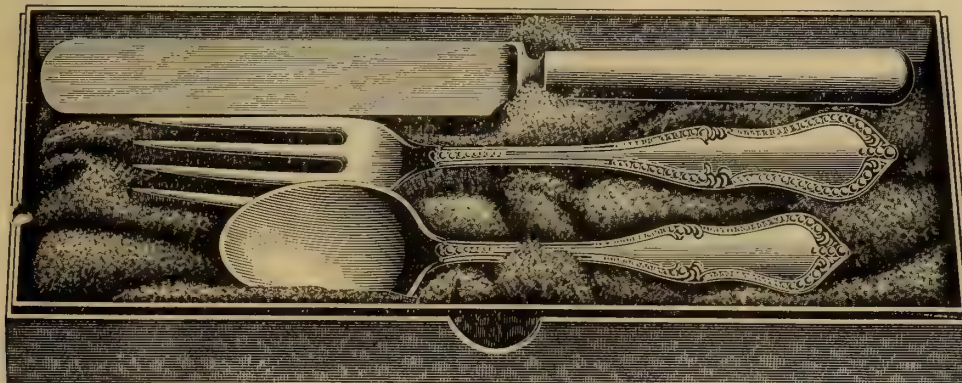
We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and
 Copper Finish.

ALL SIZES IN STOCK. SEND
 FOR PRICES.

H. R. IVES & CO., Montreal.



Cut reduced size.

COLONIAL CHILD'S SET, In Fancy Box, \$0.75, Less 50 per cent. Trade Discount.

SEE OUR VALUES IN

Sterling Silver and Electro Silver Plate

before placing your orders elsewhere.

The
Toronto Silver Plate Co.
 Limited

Factories and Salesrooms:

King St. West, Toronto, Can.

E. G. GOODERHAM,

Manager and Sec.-Treas.

PLUMBING AND HEATING NOTES.

BUILDING permits have been issued in Toronto to S. F. McKinnon, for a five-storey warehouse at No. 90 Wellington street west, to cost \$12,000; to Thos. E. Vallentyne, for a two-storey and attic brick dwelling on the west side Givens street, north side College street, to cost \$1,500; to the Carling Brewing and Malting Co., for a two-storey brick warehouse on the east side Simcoe street near Wellington street, to cost \$12,000.

Denman & Bethune have registered as plumbers in Montreal.

Matthew J. Barr and Jesse G. Anderson have registered as partners under the style Barr & Anderson, plumbers, Vancouver.

The total value of building permits issued in Toronto during November was \$109,000, and the total value for the past eleven months of the year, \$1,611,480. This is an increase of almost 100 per cent. The total value of the permits issued during November, 1897, was \$65,495, and for the first eleven months of 1897, \$897,730. November, 1898, even shows an increase over October, '98, of \$16,410.

Toronto architects report that they have their hands full of work, so it is likely that building operations will be brisk next spring.

All plumbers are very busy at present, mostly repair work, but there is a large

quantity of new work under tender, and the prospects for another season's work are good.

E. C. Mount has patented an acetylene gas lamp, that takes the place of oil lamps.

The tenders for the new market for New Westminster, B.C., were opened the other day, and the contract for constructing the building was let to Joseph Layfield for the sum of \$3,000.

ADDRESS AND PRESENTATION.

ON Friday last, between 12 and 1 o'clock, the employees of the paint shop at the McLaughlin Carriage Co. gathered in the striping-room for the purpose of presenting their foreman, Mr. David Parks, with an address and a handsome silver service upon the occasion of his severing his connection with the firm to enter the employment of the Canada Paint Company, Limited, of Montreal, as their special representative in Canada from Montreal west.

When Mr. Parks was called into the room and found the heads of the firm gathered together with the workmen of his department, he was completely taken by surprise.

Mr. George McLaughlin read the following address, and, at the proper time, Mr. Robt. McLaughlin brought to view and presented, on behalf of the company and

employees of the paint shop, the handsome silver service :

DEAR MR. PARKS :

We, your fellow workmen, have gathered around you to-day that we might show you in a small degree the high esteem in which you are held by those with whom it has been your lot to associate as foreman, with some of us for the past nine years.

It is with feelings of regret that we bid you farewell upon the occasion of your leaving Oshawa to enter another field of labor. We shall always remember with pleasure our many happy associations, and our earnest wish is that the change you are about to make will be for the better, and that you may meet with abundant prosperity.

We cannot allow you to depart without some tangible evidence of our kindly feeling towards you and your estimable wife, and beg you to accept this silver tea service as a small token of our regard for you.

We unite in wishing you health and prosperity in whatever walk of life you may find yourself.

Signed on behalf of the committee,

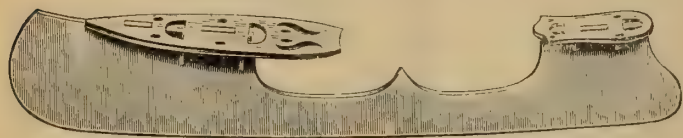
W. MARRITT,
JOHN LANCE.

Oshawa, Nov. 19, 1898.

Mr. Parks was completely "knocked out," to use a common expression, and it was with difficulty that he found words to express himself. But he responded feelingly, thanking those who had honored himself and Mrs. Parks.

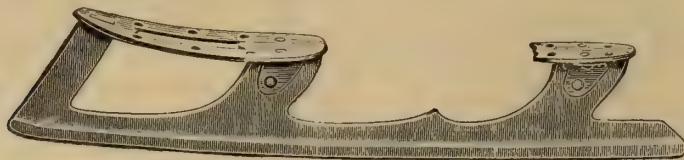
Messrs. McLaughlin also spoke briefly, paying the highest compliment possible from employers to employee, and wishing Mr. Parks every success in his new field of labor.

Mr. Wes. Ashton will fill the place made vacant by Mr. Parks, and we congratulate the former upon his promotion to a position of greater trust in this important manufacturing establishment.—Vindicator, Oshawa, Nov. 25.



Frothingham & Workman

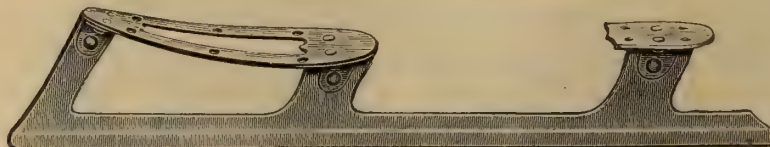
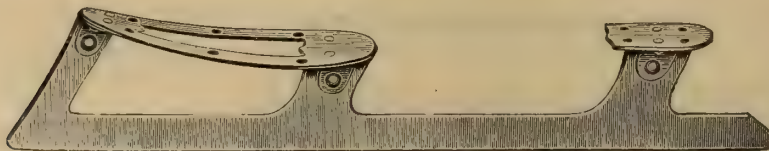
MONTREAL.



MULLER'S

CELEBRATED

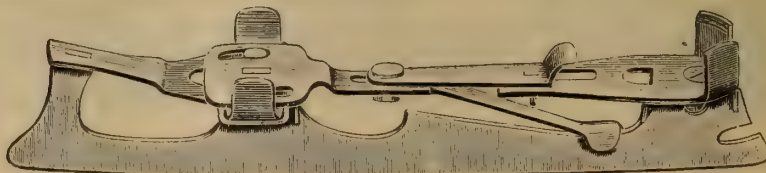
SKATES



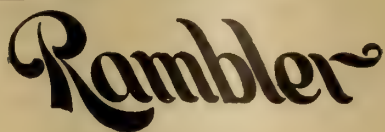
If not already received,
write for our

CATALOGUE.

Montreal, December 2nd, 1898.



1899. 20TH YEAR


GORMULLY & JEFFERY
MFG. CO., CHICAGO

Bicycles

Seven Different Models

30-inch WHEELS

\$55.00

28-inch WHEELS

\$50.00

TANDEMS

\$85.00

IDEAL

SHELBY CYCLE MFG. CO.
SHELBY, OHIO

Bicycles

Twelve Models

JUVENILES

\$25.00 to \$30.00

28-inch WHEELS

\$35.00 \$40.00 \$45.00

Rambler and Ideal Bicycles make the best and most complete line for country agents to handle. Our travellers are now on the road with samples. Drop us a card, if you wish to be called on.

BERTRAM, WILSON & Co.

Sole Agents for
Ontario, Quebec and
The Maritime Provinces.

53 Yonge Street

TORONTO.

BERTRAM, WILSON & CO.

TORONTO

Iron, Steel and Heavy Hardware

Lumbering

Mining and

Railroading Supplies

Specially Low Prices on

AXES

CROSSCUT SAWS

FILES and RASPS

53 Yonge St.,

TORONTO, ONT.

CORDAGE . .

ALL KINDS AND FOR ALL PURPOSES.

Manilla Rope

Sisal Rope

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"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

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(Limited)

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Collects accounts anywhere. Fees for current accounts 10 per cent. of amount collected. No fee less than \$1. Prompt returns. Report to you monthly. References given. Try us.

WESTERNIncorporated.
1851.**ASSURANCE COMPANY****Fire and Marine**

Capital, subscribed \$2,000,000.00
 Capital - - - 1,000,000.00
 Assets, over - - 2,320,000.00
 Annual Income - 2,300,000.00

Head Office: TORONTO, ONT.

Hon. Geo. A. Cox, President. J. J. Kenny, Vice-President
 C. C. Foster, Secretary.

Buy the Best.**HERCULES****Sash Cord.**

Star Brand Cotton Rope
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For Sale by all Wholesale Dealers

**THE OAKVILLE
BASKET CO.,**

Manufacturers of

1, 2, 3 Bushel

Grain

AND

Root**BASKETS****THE OAKVILLE
BASKET CO.****B. J. COGHLIN**Hardware, Iron and Steel Merchant, Railway and
Contractors' Supplies.

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CARRIAGE, WAGON SPRINGS and AXLES.
RAILWAY SPRINGS and SPIRAL SPRINGS
of every description.

A large stock always on hand.

Office and Warehouse, 432, 434 and 436 St. Paul St.,
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HOCHÉLAGA. (52)**R. C. LEVESCONTE**

Barrister, Solicitor, Notary, Etc

THE MCKINNON BUILDING
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Telephone 689.
Cable "LeVeconte" Toronto.**VanTuyt & Fairbank**

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Headquarters for . .

Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.**PARIS ELECTRO PLATING CO.**

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings
Piano Stool Feet, Novelties, etc. Bicycle Work
a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.We have added a large moulding shop to our establish-
ment, and are making a specialty of fine castings.**PARIS ELECTRO PLATING CO., Paris, Ont.**

Quotations gladly given.

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**TRUE BRAND
CUTLERY.**Gives universal satisfaction. Every blade stamped with
our name or trade mark we guarantee to be made of the
best steel.**E. F. WALTER & CO.**

MONTREAL



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1078 BLOOR STREET WEST, TORONTO.

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Manufacturers of

Refined Bar Iron

Railway Spikes

Pressed Spikes

Nails and Tacks

"Diamond" Brand Horse Shoes

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**"JARDINE"
TIRE UPSETTERS
WILL UPSET TIRES**

Some machines sold as Upsetters will not.
 Perhaps you make as much money on the
 sale of a useless Upsetter as on a good
 one, but your customer does not. He
 don't want a machine because it is called
 an Upsetter; he wants a machine to upset
 tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

**A. B. JARDINE & CO.
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 Patents and all matters pertaining to Patents and Patent
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 Organizing and promoting of Joint Stock Companies. List
 of 500 inventions wanted and list of Canadian Patented
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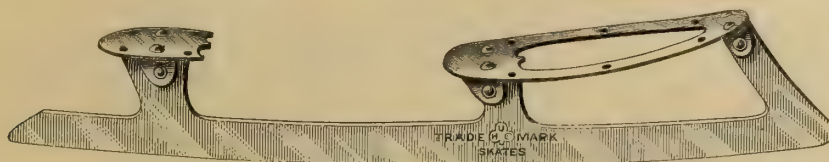
UNION HOCKEY SKATES



These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH**, which is guaranteed. **WEIGHT**, which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT and HANG** for ease of stroke and cutting corners.



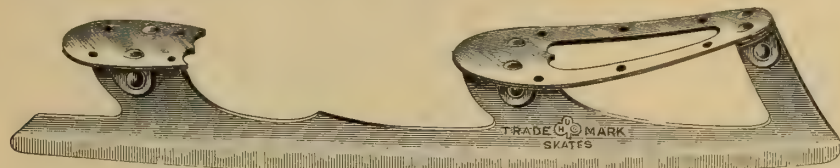
Plain Runner, Straight.



Plain Runner, Curved Blade.



Ribbed Runner.

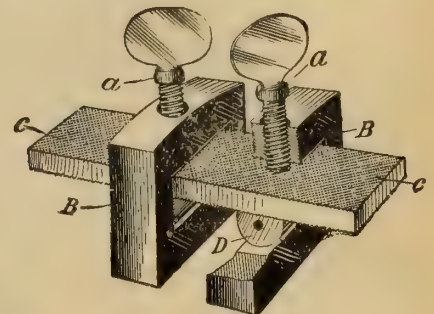


Ribbed Runner, Curved or Rocker Blade, for Ladies.



Victoria Club Skates.

UNION SKATE SHARPENER



UNION CLUB SKATES

THESE
PATTERNS
MADE IN
ALL VARIETIES
OF FINISH AND
QUALITY

THE LARGEST
AND MOST COMPLETE
LINE ON THE MARKET

Write for circular for full information for importing or we will tell you where they may be obtained in Canada.

UNION HARDWARE CO.

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95 Chambers Street

TORRINGTON, CONN., U.S.A.

STANDARD TOOLS

WARNOCK'S Axes and Edge Tools stand without an equal in the Canadian market. Every tool bearing our name is Guaranteed. When ordering always specify Warnock's Tools, then guarantee them to your customers.

JAMES WARNOCK & CO. - Galt, Ont.

CURRENT MARKET QUOTATIONS

December 2, 1896

These prices are for such qualities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—		
56 and 28 lb. ingots, per lb.	0 00	0 21½
Straits	0 00	0 21

Tin Plates.

Charcoal Plates—Bright.		
M.L.S., equal to Bradley.	Per box.	
I.C., usual sizes	\$5 00	
I.X., "	6 25	
I.X.X., "	7 50	
J. R. & Co.—		
I.C.	4 75	5 01
I.X.	6 00	6 25
I.X.X.	7 25	7 50
Famous—		
I.C.	5 00	
I.X.	6 25	
I.X.X.	7 50	

Raven & Vulture Grades—		
I.C., usual sizes	3 50	
I.X., "	4 25	
I.X.X., "	5 00	
I.X.X., "	5 75	
D.C., 12½x17	3 00	
D.X., "	3 75	
D.X.X., "	5 75	

NOTE.—Other brands might be shaded by 25c per box.

Coke Plates—Bright.

Rossmere Steel—		
I.C., usual sizes	3 00	
I.C., special sizes, base	3 15	
20x28.	6 00	6 25

Charcoal Plates—Terns.		
Dean or J. G. Grade		
I.C., 20x28, 112 sheets	6 00	
I.X., Terns Tin	7 50	
I.C., Orion	6 00	
I.X., Orion	7 25	7 50

Charcoal Tin Boiler Plates.		
Cookley Grade—		
X X., 14x56, 50 sheet bxs		
14x60	0 05¼	0 06
14x65		

Tinned Sheets.		
72x30 up to 24 gauge	0 05¼	0 06
26	0 06½	0 06¾
28	0 07¼	0 07½

Iron and Steel.

Common Bar, per 100 lbs	Base Price	
" from factory	1 35	
Refined	1 60	
Horse Shoe	1 65	1 70
Band	1 65	1 75
Hoop	2 00	
Swedish	4 00	4 25
Sleigh Shoe Steel	base	1 75
Tire Steel	1 75	
Machinery	1 85	1 95
Cast Steel, per lb	0 10	0 14
Thos. Firth & Sons' Cast Steel	0 12	0 14
Russian Sheet, per lb	0 10½	0 11
Tank Plates, 1-5 and thicker	2 00	2 25
Boiler Rivets	4 50	5 00

Boiler Tubes.

1½ inch	0 06¼	
2 "	0 07	
2½ "	0 09¾	
	0 11	

Steel Boiler Plate.

-16 inch	2 00	
	1 90	

¾ inch and thicker. 1 75

Sheet Iron.

16 gauge and heavier	2 50	2 70
18 to 20 gauge	2 25	2 50
22 to 24	2 31	2 40
26	2 40	2 50
28	2 50	2 60

Canada Plates.

All dull, 52 sheets	2 25	
Half polished	2 35	
All bright	2 85	3 00

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ¾ inch.	\$7.25 to \$13.11; ½ inch, \$12.35; ¾ inch, \$12.80; 1 inch, \$13.95; 1½ inch, \$15.20; 2 inch, \$16.75; 2½ inch, \$18.10.	
Galvanized ½ inch, \$3.95; ¾ inch, \$4.80; 1 inch, \$5.75; 1½ inch, \$9.15; 2 inch, \$11.75; 2½ inch, \$14.00. Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p. c.		

Galvanized Iron.

16 gauge.	3 00	3 75
18 to 24 gauge.	3 15	4 00
26	3 41	4 25
28	3 75	4 50

Chain.

Proof Coil, 3-16 in., per 100 lbs	25	
" ¼ "	4 65	
" 5-16 "	3 75	
" ¾ "	3 25	
" 7-16 "	2 85	
" 1 "	2 75	
" ½ "	2 75	
" ¾ "	2 63	
Trace, per doz. pairs.	3 60	5 90

Jack chain, iron, single, per doz. yards.	0 13	0 50
Jack chain, double, per doz. yards.	0 15	
Jack chain, brass, single, per doz. yards.	20	10

Copper.

Ingot.		
English B. S., ton lots	0 13	0 13½
Lake Superior		
Bolt or Bar.		
Cut lengths, round, ½ to ¾ in.	0 20	0 22
round and square		
1 to 2 inches.	0 19½	0 20

NOTE.—Complete, lengths about 15 feet from 18½ to 19 cents a pound.

Sheet.		
Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60	0 16½	0 17½
Untinned, 14 oz., and light, 16 oz., irregular sizes	0 16½	0 17½
NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.		
Planished and tinned, 14x48 and 14x60	0 25	0 27
Braziers. (In sheets.)		
4x6 ft. 25 to 30 lbs. ea., per lb.	0 17½	
" 35 to 45 "	0 17	
" 50-lb. and above, "	0 16½	
Boiler and T. K. Pitts.		
Plain Tinned, per lb	0 21	
Spun, per lb.	0 25	

Wire.

Pure, in coils—		
From 1 to 20 gauge, 12½ p. c. off list.		
From 20 gauge up, 12½ p. c. off list		

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 27½ p. c. off list.		
Sheets, hard-rolled, 2x4	18	0 20
Tubing, base, per lb.	0 21	0 22

Zinc Spelter.

Foreign, per lb	0 05¾	0 06
Domestic	0 04¾	0 05

Zinc Sheet.

5 cwt. casks	0 07¼	
Part casks	0 07½	

Lead.

Imported Pig, per lb	4 00	
Domestic, per lb	0 03¾	
Bar, 1 lb.	0 05	
Sheets, 2½ lbs. sq. ft., by roll.	0 05	0 05¼
Sheets, 3 to 6 lbs., per sq. ft., by roll.	0 04¾	0 05
NOTE.—Cut sheets ½ cent per lb. extra. Pipe, by the roll, usual weights per yard, lists 7 cents per lb. and 25 per cent. discount. NOTE.—Cut lengths, net price, waste pipe, in 8-ft. lengths, lists at 7½ cents.		

Solder.

Bar half-and-half	Per lb.	Per lb.
Refined	0 13	0 13½
Wiping	0 12½	0 13
NOTE.—Prices of this graded according to quantity. The prices of other qualities or solder in the market indicated by private brands vary according to composition.		

Antimony.

Cookson's, per lb	0 10	0 11
Other makes, per lb.	0 09	0 09½

White Lead.

Pure, Assoc. guarantee, ground in oil.	Per cwt.	
25 lb. irons	5 75	
No. 1 do	5 7½	
No. 2 do	5 00	
No. 3 do	4 62½	
No. 4 do	4 25	
Robertson's Chemically Pure	5 75	
Munn's Select Flake White	6 00	
Elephant and Decorators' Pure	5 75	
Bradford's B. B. Genuine	7 75	
No. 1	6 95	
James genuine	6 45	

White Zinc Paint.

Elephant Snow White	0 07	
Pure White Zinc	0 07	
No. 1	0 06¼	
No. 2	0 05¾	

Dry White Lead.

Pure, casks	0 04¼	
Pure, kegs	0 04¾	
No. 1, casks	0 04¼	
No. 1, kegs	0 04¾	

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)		
Pure, per gallon	1 00	
Second qualities, per gallon	0 90	
Barn (in bbls.)	0 70	0 90
The Sherwin-Williams Paints	1 20	
Canada Paint Co's Pure	1 00	1 10
Robertson's Pure	1 00	1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)		
Venetian Red, per lb	0 07	
Chrome Yellow	0 11	
Chrome Ochre	0 06	
Golden Ochre	0 05	
French	0 09	
Marine Black	0 09	
" Green	0 09	
Chrome	0 08	
French Imperial Green	0 19	

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt	1 35	1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt	2 75	
Yellow Ochre (Royal), per cwt	1 10	1 15
Brussels Ochre	2 00	
Venetian Red (best), per cwt.	1 80	1 90
English Oxides, per cwt.	3 00	3 25
American Oxides, per cwt	1 75	1 90
Canadian Oxides, per cwt.	1 75	1 90

Burnt Sienna, pure, per lb.	0 10	
" Umber, "	0 10	
do. aw	0 09	
Drop Black, pure	0 09	
Chrome Yellows, pure	0 18	
Chrome Greens, pure, per lb.	0 12	
Golden Ochre	0 03¾	
Ultra marine Blue in 28-lb. boxes, per lb.	0 08	0 24
Fire Proof Mineral, per 100 lb.	1 00	
Genuine Eng. Litharge, per lb	0 07	
Mortar Color, per 100 lb.	1 25	
James' Gen. Red Lead, 100 lb	0 04¼	
Pure Ind. an Red, No. 45, lb.	0 08	
Whiting, per 100 lb.	0 50	

Paris Green.

Pure, in bbls.		
250 lb. casks		
50 lb. drums		
1 lb. packages		
½ lb. "		
¼ lb. "		
1-lb. tins		

Sulphate of Copper.

Casks, for spraying, per lb.	0 04¾	
100-lb. cases, do. per lb.		

Putty.

Bladders in bbls.	1 80	
Bladders in 100 or 200 lb. kegs or bxs	1 95	
Bulk in bbls., per 100.	1 65	
Bulk in less quantities	1 80	
12½-lb. tins, 4 in c se.	2 15	
25-lb. tins, 8 in case	2 30	
Quotations f o b. Toronto—1½c. per 100 lbs. extra Hamilton, London Guelph. For quantities less than 100-lbs., 2½c. per lb.		

Varnishes.

(In bbls.)	per gal	
Carriage, No. 1	1 50	
Extra do.	2 50	
Body Varnish	4 50	
Furniture Varnish	0 15	
Extra do.	0 90	
Demar Varnish	1 60	
Hard Oil Finish	1 40	
Orange Shellac Varnish	2 00	
White Shellac	2 20	
Rubbing Varnish	2 50	
Polishing Varnish	2 50	

Linseed Oil.

Raw, per gal. net	0 50	
Boiled, per gal. net	0 53	
Outside points 1c. more than above figures		

Turpentine.

1 to 4 barrels, net	0 57	
Outside points 1c. more		

Castor Oil.

In cases, per lb	0 10½	
Small lots	0 11½	

Cod Oil, Etc

Cod Oil, per gal.	0 50	0 55
Pure Olive	1 20	
Neatsfoot	90	

Glue.

(In bbls.)		
Common	0 08½	0 09
French Medal	0 12	0 12½
Cabinet, sheet	0 11	0 12
White, extra	0 16	0 17
Gelatine	0 22	0 24
Strip	0 16	0 20
Coopers	0 19	0 20
Al clear		0 09
Liquid Glue—F. LePage's, discount 20 to 25 per cent off list; Munn's, discount 25 to 30 per cent. off list.		

HARDWARE.

Ammunition.

Cartridges.		
R. B. Caps, Dom., 50 and 5 per cent.		
Rim Fire Pistol, dis. 45 p. c., Amer.		
Rim Fire Cartridges, Dom., 50 and 5 p. c.		
Rim Fire, Military, net list, Amer.		
Central Fire Pistol and Rifle, 18 p. Amero.		

52nd Year of Publication.

Canadian Almanac



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TORONTO

AN INVALUABLE BOOK

The Canadian Almanac for 1899

FIFTY-SECOND YEAR OF PUBLICATION

SOME OF THE PRINCIPAL CONTENTS OF THE CANADIAN ALMANAC:

Astronomical Calculations and Calendar.	Clergy List, all denominations.
Tide Tables—Quebec, Halifax and St. John.	The British Army and Navy.
Short History of Canada.	Taxation in Great Britain.
Canadian Tariff of Customs.	Legal and Judiciary.
Banks in Canada and their Branches.	Counties and Municipalities.
Forms of Government throughout the World.	Ontario Law List.
Dominion Government Officials.	Succession Duties in Ontario.
House of Commons, with Members' Majorities.	Societies and Institutions.
Militia List of the Dominion.	Foreign Consuls in Canada.
Provincial Government Officials.	Educational Institutions.
The British Government.	Historical Diary for 1897-1898.
Postal Information.	Life Insurance, with Premiums of Principal Companies.
Post Offices in Canada and Railway Stations, forming a complete Shippers' Guide.	

AND A LARGE AMOUNT OF USEFUL INFORMATION OF ALL KINDS

The Canadian Almanac is for sale by all dealers, or will be sent to any address, post paid, on receipt of price by the publishers.

Price in Paper Covers,	- - - - -	25 cents.
" Cloth Cased,	- - - - -	50 "

THE COPP, CLARK COMPANY, LIMITED

9 FRONT STREET WEST, TORONTO

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
 Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
 Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
 Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
 Canadian, common, 7½ per cent.
 Brass Shot Shells, 55 and 10 per cent.
 Primers, Dom., 30 per cent.

Wads.
 Best thick white felt wadding, in ½-lb bags, 1 00
 Best thick brown or grey felt wads, in ½ lb. bags, 0 70
 Best thick white card wads, in boxes of 500 each, 12 and smaller gauges 0 99
 Best thick white card wads, in boxes of 500 each, 10 gauge 0 35
 Best thick white card wads, in boxes of 500 each, 8 gauge 0 55
 Thin card wads, in boxes of 1,000 each, 12 and smaller gauges, 0 20
 Thin card wads, in boxes of 1,000 each, 10 gauge 0 25
 Thin card wads in boxes of 1,000 each 8 gauge 0 20
 Chemically prepared black edge grey cloth wads, in boxes of 250 each—
 11 and smaller gauge 0 60
 9 and 10 gauges 0 70
 7 and 8 gauges 0 90
 5 and 6 gauges 1 10
 Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
 11 and smaller gauge 1 15
 9 and 10 gauges 1 40
 7 and 8 gauges 1 65
 5 and 6 gauges 1 90

Anvils.
 Per lb. 0 10 0 12½
 Anvil and Vice combined, each, 4 50
 Wilkinson & Co.'s Anvils, lb. 09 0 09½
 Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
 Gilmour's, discount 65 p.c. off revised list.
 Hollow Stearn's, per dozen 13 00 20 00
 Adjustable Stearn's, each 4 50 6 50
 Post-hole, Vaughan's, each 60 90
 Excelsior, Jennings', discount 50 per cent.

Awls.
 Sewing, per gross 0 65 1 59
 Pegging, " 0 65 1 25
 Brad, " 0 85 1 60
 " handled, per gross 3 60 30
 Saddler's, per gross 0 45 1 60

Awl Hafts.
 Patent Peg, per gross 7 25 8 00
 " Sewing, per gross 7 25 8 00

Awl and Tool Sets.
 Millar's Falls, per doz. 2 80 3 30

AXES.
 Splitting Axes, 5 25 5 50
 Chopping Axes—
 Single List, per doz. 6 00 12 00
 Double List, " 11 00 18 00
 Bench Axes, 40 and 10 p.c.
 Per gross 6 00 13 00

Axle Grease.
 Zinc, discount, 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list
 Boxing extra

Bath Tubs.
 Zinc, discount, 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list
 Boxing extra

Anti-Friction Metal.
 "Tandem" A., per lb. 0 19
 " B., " 0 16
 " C., " 0 10½
 " Monarch " 1 2 0 21
 " 2, " 0 15
 " 3, " 0 10
 " Canadian " 0 08½
 Magnolia Anti-Friction Metal, per lb. 0 25
 No Name Metal, " 0 15
 Mystic Metal, " 0 10
 F. O. B. New York or Chicago.

Bells.
 Hand.
 Brass, 60 per cent.
 Nickel, 55 per cent.

Door.
 Gongs Sargent's 5 50 8 00
 " Peterboro', discount 50 per cent.

American make, discount 66½ per cent.
 Canadian, discount 45 and 50 per cent.

Farm.
 American, each 1 25 3 00
 House, " 0 35 0 40
 American, per

Bellows.
 Hand, per doz. 3 35 4 75
 Washers, per doz. 7 50 10 00
 K. Smith's, discount 60 per cent.

Beltting.
 Extra, 50 per cent.
 Standard, 50 and 10 to 50, 10 and 5 per cent.
 Agricultural, 60 and 10 p.c.

Bench Stops.
 Per doz. 5 00 6 00

Bits.
 Auger.
 Gilmour's, discount 65 and 5 per cent.
 Excelsior, discount 60 per cent.
 Rockford Common, 70 to 70 and 10 per cent.
 " Perfection, 60 and 10 per cent.
 Jennings' Gen., net list to 5 p.c. discount

Car.
 Gilmour's, 47½ to 50 per cent

Expansive.
 Clark's 40 per cent.
 Excelsior, 10 per cent.
 Gimlet.
 Clark's, per doz. 0 65 0 90
 Diamond, Shell, per doz. 1 00 1 50
 Nail and Spike per gross 2 25 5 20

Blind Rollers.
 Annex, per doz. 1 25 1 75
 Mascott, " 1 35 1 85
 Erminie, " 1 00 0 90

Blind and Bed Staples.
 All sizes, per lb. 7½ 0 12

Bolts.
 Carriage, dis. 60 and 10 to 70 p.c.
 Tire, dis. 70 and 5 per cent.
 Stove dis. 70 per cent.
 Elevator, dis. 35 to 40 per cent
 Machine, dis. 70 p.c.
 Coach Screws, dis. 70 and 10 p.c.
 Plough bolts, 60 p.c.

Boring Machines.
 Complete, with augers, each. 5 00 7 50

Braces.
 Barbe's " 6 00 7 75
 Barber's Ratchet " 10 00 11 00
 Farmers " 2 00 2 75
 Millar's Falls " 15 50 29 00

Brackets.
 Shelf.
 Japanned Canadian, per doz. 0 50 3 40
 pairs
 Berlin Bronze Canadian 0 85 3 20

Broilers.
 Light, dis. 65 to 67½ per cent.
 Reversible, dis. 65 to 67½ per cent.
 Vegetable, per doz., dis. 37½ per cent.
 Henis, No. 8, " 6 00
 Henis, No. 9, " 7 00
 Queen City " 7 50 0 00

Butchers' Cleavers.
 German, per doz. 6 00 11 00
 American, per doz. 12 00 20 00

Building Paper, Etc.
 "Domino Brand" Saturated Felt, per 10-lb. \$1 40
 Dry, Good Luck, per roll 0 40
 Tarred, Good Luck, per roll 0 50
 "Shield Brand," Dry, per roll 0 27
 " Tarred, per roll 0 35
 Coal Tar, per barrel 3 75
 Pitch, per 10-lb. 0 60

Butts.
 Braas.
 Wrought Brass, dis. 17½ p.c. revised list.

Cast Iron.
 Loose Pin, dis. 70 per cent.
 Wrought Steel.
 Fast Joint, dis. 70, 10 and 5 to 75 p.c.
 Loose Pins, dis. 70, 10 and 5 to 75 p.c.
 Berlin Bronzed, dis. 70, 70 and 5 per cent.
 Gen. Bronzed, per pair 0 40 0 65

Can Openers.
 Acme, per gross 9 00 10 00
 Sardine Scissors, per doz 3 75 4 50

Card.
 Horse, per doz. 0 60 1 00

Carpet Stretchers.
 American, per doz 1 00 1 50
 Bullards, per doz 6 50

Carpet Sweepers.
 Bisell, per doz 22 50
 World, " 21 75
 Day, " 24 00
 Star " 18 00
 Crown Jewel, per doz. 29 00
 Grand Rapids, " 24 00 33 00

Cartridges.
 (See Ammunition.)

Castors.
 Bed new list, dis. 55 to 57½ per cent.
 Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
 Nos 31 and 32, per gross. 8 50 50

Cement.
 Canadian, Portland 2 50
 English 2 85
 Belgium 2 75
 Canadian hydraulic 1 20
 Figures are for barrel lots.

Chalk.
 Carpenters Colored, per gross 0 45 0 75
 White lump, per cwt. 0 60 0 65
 Red, " 0 05 0 06
 Crayon, per gross 0 14 0 18

Chisels.
 Socket, Framing and Firmer.
 American, dis. 75 per cent.
 Canadian, dis. 40 and 5 per cent.
 Tanged firmer, per doz. 0 85 4 00

Churns.
 Daisy or Leader, dis. from stock or factory 60, 10 and 5 per cent.

Clamps.
 Tudd's, dis. 20 per cent.
 Stearn's, per doz. 3 00 10 00

Clips.
 Axle dis. 65 per cent.

Closets.
 Washout, plain 3 25
 " embossed 3 50

Coffee Mills.
 Box 3 60 13 00
 Side 3 60 4 00
 Enterprise, No. 0 1 35
 " No. 2 70

Compasses, Dividers, Etc.
 American, dis. 62½ to 65 per cent

Cradles, Grain.
 Canadian, dis. 20 per cent.

Dies.
 Hart Mfg. Co. (pipe es), (Amer. list), dis. 40 per cent.
 Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
 Torrey's Rod, per doz. (15 p.c. 2 00
 Coil, per doz. 0 88 1 60
 English per doz. 2 00 4 00

Draw Knives.
 American, dis. 70 and 10 per cent.
 Canadian, dis. 25, 50 and 10 per cent.

Drills.
 Hand and Breast
 Millar Falls, per doz. 16 00 51 50
 P. S. & W., dis. 40 per cent.

DRILL BIT.
 Morse, dis. 37½ to 40 per cent.
 Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
 Stovepipe.
 Per doz. 85 1 70

FAWCETS.
 Cork Lined, per doz. 0 30 0 35
 Wine, per doz. 1 30 3 25
 Star, " 2 80 3 90
 Penn's Corkstaps, No. 2, per dozen 1 70
 Petroleum, per doz. 4 50 6 50

FILES.
 Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
 Black Diamond, 50 and 10 to 60 per cent.
 Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.
 Nicholson File Co., 50 and 10 to 60 per cent.
 Jowitt's, English list, 25 to 27½ per cent.
 American, 60 to 60 and 5 per cent.
 Great Western, 60 and 10 per cent.
 Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.

FLUTING MACHINES.
 Each 0 60 2 00

FORKS.
 Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS
 Ice Cream.
 Gem from \$1.25 to \$7 net.
 White Mountain, 1 to 25 qt. 1 35 13 50
 Arctic, dis. 50 p.c.

FRUIT PRESSES.
 Henis, per doz. 3 25 3 50
 Shepard's Queen City, dis. 15 per cent.

FRY PANS.
 Acme, dis. 65 to 67½ per cent.

GAUGES.
 Marking, Mortise, Etc.
 Stanley's, dis. 50 to 55 per cent.

Wire Gauges.
 Winn's, Nos. 26 to 33, each. 1 65 2 40

GLASS.
 Window.
 Box Price.

Star.
 Size United Inches.
 Under 25 1 80
 26 to 40 1 95
 41 to 50 4 21
 51 to 60 4 50
 61 to 70 4 80
 71 to 80 5 20
 81 to 85 5 80
 86 to 90 6 80
 91 to 95 14 75
 96 to 100 16 75
 101 to 105 18 75
 106 to 110 22 75

Per 50 ft. Per 100 ft. Per 100 ft.
 Double Diamond.

GLUE POTS.
 Tinned, each 0 30
 Enamelled each 0 55

GRINDSTONE FIXTURES
 Per doz. 3 60 4 00

HALTERS.
 Rope, ¾ per gross 8 25 8 50
 " ½ " 9 25 9 50
 " ½ " 11 00 11 25
 Leather, 1 in., per doz. 3 87½ 4 00
 " 1½ in. " 5 15 5 25
 Web, — per doz. 1 87 2 40

HAMMERS.
 Nail
 Maydole's, dis. 5 to 10 per cent. Can., dis. 25 to 27½ per cent.

Tack.
 Magnetic per doz. 1 10 1 20

Sledge.
 Canadian, per lb. 0 07½ 0 08½

Ball Pean.
 English and Can., per lb. 0 22 25

HANDLES.
 Axe, per doz., net, 1 50 2 60
 Store door, per doz. 1 00 1 50
 Chest, per doz. pairs, 0 40 2 50

Chisel.
 Firmer, per gross 3 00 4 50
 Socket Firmer, per gross 3 25 8 00
 Socket Framing, per gross. 3 75 5 00

Fork.
 C. & B., dis. 45 per cent. rev. list.

Hoe.
 C. & B., dis. 45 per cent. rev. list.

Saw.
 American, per doz. 1 00 1 25

Plane.
 American, per gross. 3 15

Hammer and Hatchet.
 Canadian, 45 per cent.

Cross-Cut Saw.
 Canadian, per pair 0 13½ 0 20

HANGERS.
 Door, 4 and 5 inch, per pair. 0 40 0 50
 Lanes, 62½ per cent.

HATCHETS.
 Canadian, dis. 40 to 42½ per cent

HINGES.
 Blind, Parker's, dis. 60 and 10 to 65 per cent.
 " Shepard's Noiseless, dis. 60 per cent.
 " Buffalo, dis. 60 to 70 p.c.
 Light T and strap, 70 and 10 p.c.
 Heavy, per lb. 0 03½ 0 04½
 Screw hook and hinge—
 6 to 12 in., per 100 lbs. 3 15
 14 in. up, per 100 lbs. 2 35

Per doz. set
 Screw Eureka 1 13 1 80
 Gate, Clark's 1 50 2 20
 " Shepard's, dis. 50 to 60 per cent.

Per gro. pair
 Spring 9 50
 " Shepard's Samson 1 20

HOES.
 Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
 Planter, per doz. 4 00

HOOKS.
 Cast Iron.

Wrought Iron.
 Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
 Hat and coat, dis. 60 to 60 and 10 p.c.
 Belt, per 1,000 0 60 0 70
 Screw, bright, dis. 65 and 10 per cent

HORSE NAILS
 P. B., dis. 50 p.c.
 "C" brand, 50 p.c. dis. } Oval head.
 "M" brand 50 p.c.
 Acadian, 50 and 20 p.c., countersunk head

HORSE SHOES.
 Iron Shoes. F.O.B. Montreal Toronto
 Light, medium, and heavy. 3 15 3 25
 Snow shoes 3 40 3 50

Steel Shoes.
 Light, all sizes 3 35 3 45
 Extra light 4 50 4 60
 Toe weight (steel) 5 50 5 60

***Al-o Hamilton, London, Guelph, St. John. Halifax.**

ICE PICKS.
 Star, per doz. 3 00 3 25

KETTLES.
 Brass spun, 7½ p.c. dis. off new list.
 Copper, per lb. 0 30 3 5
 American, 60 and 10 to 65 and 5 p.c.

KEYS.
 Lock, Can., dis. 50 p.c.
 Cabinet, trunk, and padlock,
 Am. per gross. 1 60

KNOBS.
 Door, japanned and N. P., per doz. 0 90
 Bronze, Berlin, per doz. 2 75 3 25
 Bronze Genuine, " 6 00 9 00
 Shutter, porcelain, F. & L. screw per gross. 1 30 4 00

KNIVES.
 Clauss, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.
 Christie, bread, cake, and paring knives, \$7.00 doz. sets with 10 p.c. off.

Hay knives, spear point, L or T handle, 60 and 5 per cent.
 Lightning, per doz. 6 50 8 40
 Heath's, \$7.75 net.

LADLES.
 Melting, per doz. 1 70 4 50

LEMON SQUEEZERS.
 Porcelain lined, per doz. 2 20 5 60
 Galvanized, " 1 87 3 85
 King, wood, " 2 75 2 90

King, glass,	4 00	4 50
All glass	1 20	1 30
LINES.		
Fish, per gross.....	1 05	2 50
Chalk	1 90	7 40

LOCKS.		
Canadian, dis. 50 p.c.		
Russell & Erwin, per doz.....	1 75	7 50
Cabinet.		
Eagle, dis. 30 p.c.		
Padlock.		
English and Am., per doz.....	50	6 00
Scandinavian,	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.		
Iron and Brass.		
Flat head, discount 25 p.c.		
Round Head, discount 20 p.c.		

MALLETS.		
Tinsmiths', per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.....	3 85	5 00
Caulking, each	1 60	2 00

MATTOCKS.		
Canadian, per doz.....	8 50	10 00
American, 60 and 100 p.c. off list.		

MEAT CUTTERS.		
American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.		
American, per doz.....	0 42	2 35

MOLASSES GATES.		
Stebbin's Patent, dis. pre cent., 77½ per cent.		

NAILS.		
Quotations are:	Cut.	Wire.
2d. and 3d.	\$2 75	\$2 75
3d.	2 40	2 41
4 and 5d.	2 15	2 15
6 and 7d.	2 05	2 05
8 and 9d.	1 90	1 90
10 and 12d.	1 85	1 85
16 and 20d.	1 80	1 80
31, 40, 50 and 63d. (base). ..	1 75	1 75
Steel Cut Nails 10c. extra.		
Heads and finishing nails, special sizes, 80 p.c. from new list.		

NAIL PULLERS.		
German and American.....	1 85	3 50

NAIL SETS.		
Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.		
Poultry, 67½ per cent. for imported, 55 per cent. for McMullen's.		

OIL.		
Canada refined oil (Toronto).....	0 14	
Carbon safety "	0 16½	
American w. w. "	0 17½	
Pratt's Astral.	0 17	

OILERS.		
McClary's Model galvan. oil can, with pump, 5 gal., per doz.....	0 00	9 00

Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.....	1 25	3 50
Brass,	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.		
Galvanized, per doz.....	1 85	3 00

PENCILS.		
Dixon's, per gross.....	1 00	4 25
Carpenter.....	2 25	3 60

PICKS.		
Per doz	6 00	9 00

PICTURE NAILS.		
Porcelain head, per gross.....	1 40	3 00
Brass head,	0 40	1 00

PIPE CUTTING MACHINERY		
Forbes Patent Die Stocks.—Curtis & Curtis, Mfrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to 2 in. R. & L.	\$ 50 00	
No. 38 Hand Machine, range 1½ to 4 "	100 00	
No. 56 Hand Machine, range 2½ to 6 "	175 00	

PLANES.		
Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.		
Wood, fancy Canadian or American, 37½ to 40 per cent.		
Hayley's (Stan. E. & L. Co.), 50 to 50 and 5 p.c.		
"Miscellaneous, dis. 25 to 37½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.		
English, per doz.....	2 00	5

PLIERS AND NIPPERS.		
Button's Genuine, per doz pairs, dis. 37½ 40 p.c.		
Button's Imitation, per doz.....	5 00	9 00
German, per doz.....	0 60	2 60

PLUMBS AND LEVELS.		
S.R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		

POPPERS.		
Corn, square, per doz.....	1 35	2 00

PRUNING SHEARS.		
Per doz.....	4 00	5 50

PULLEYS.		
Hothouse, per doz.....	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning.....	0 35	2 50

PUMPS.		
Canadian cistern.....	1 40	2 25
Canadian pitcher spout.....	1 15	2 00

PUNCHES.		
Saddlers', per doz.....	1 00	1 85
Conductors',	9 00	15 00
Tinners' solid, per set.....	0 00	0 72
" hollow, per inch.....	0 00	1 00

RAIL.		
Barn door, per foot.....	0 02½	0 02½
Sliding door,	0 03½	0 03½
Lanes,	0 02½	

RAKES.		
Cast steel and malleable Canadian, list dis. 60 to 60, 10 and 5 p.c. revised list.		
Wood, 25 per cent.		

RASPS AND HORSE RASPS.		
New Nicholson horse rasp, discount 60 p.c.		
Globe File Co.'s rasps, 6J and 10 to 70 p.c.		
Toronto File Co.'s rasps, 60 and 10 to 70 p.c.		
Heller's Horse rasps, 5J to 50 and 5 p.c.		

RAZORS.		
Geo. Butler & Co.'s, per doz.....	8 00	18 00
Bokers',	7 50	11 00
Wade & Butcher's,	3 60	10
Arbenz's,	9 00	18
Theile & Quack's	7 00	12

RAZOR STROPS.		
Currier's, per doz.....	1 25	3 60

RIVETS AND BURRS.		
Carriage, Section, Wagon Box Rivets, etc., (Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc., (Norway Iron), 50 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and p.c.		
Copper Rivets & Burrs, 45 p.c. dis.		
" in ½ lb. boxes and cartons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.		
Canadian, dis. 35 to 37½ per cent.		

ROPE, ETC.		
7-16 in. and larger, per lb. 10½	Sisal.	Manilla
¾ in.	11	11½
½ and 5-16 in.	11	12
Cotton	13	13
Russia Deep Sea	14½	14½
Jute	6½	7½
Lath Yarn	8½	8½
New Zealand Rope.....	9½	9½

RULES.		
Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.		
Mrs. Potts, per set.....	0 62½	1 00
N.P. per set.....		90

SAD HEATERS.		
Dome, Shepard's, per doz.....	4 75	5 00

SAND AND EMERY PAPER.		
Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.....		

SASH CORD.		
Per lb.....	0 20	0 50

SASH LOCKS.		
Triumph and Morris, dis. 37½, 40 per cent.		
Kempshell's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.		
Sectional, per 100 lbs.....	1 40	1 75
Solid,		1 25

SAWS.		
Crosscut, McMillan & Haynes, per dozen	0 40	0 70
"Empire," McMillan & Haynes, per ft.....		0 70
Hand, Disston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Disston's, per ft.....	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.....	0 75	2 75
" frame only.....		0 75

SAW SETS.		
"Lincoln," McMillan & Haynes, per doz.....	6 00	7 50
Whiting	5 63	7 00

SCALES.		
Gurney Scales, 50 p.c.		
R. S. & M. Scales, 50 p.c.		
Champion, 60 per cent.		
Fairbanks Standard, 45 p.c.		
" Dominion, 6½ p.c.		
Richelieu, 60 p.c.		
Chatillon Spring Balances 25 p.c.		

SCRAPERS.		
Box, per doz.....	2 10	4 50
Boot,	0 40	3 50

SCREENS.		
Door, patent, per doz.....	6 50	11 00
Window, per doz.....	2 00	2 75

SCREW DRIVERS.		
Sargent's, per doz.....	65	90

SCREWS.		
Wood, F. H., iron, and steel, dis. 87½ p.c.		
Wood, R. H., " dis. 80 p.c.		
" F. H., brass, dis. 82½ p.c.		
Wood, R. H., " dis. 75 p.c.		
Drive Screws, 87½ per cent.		
Bench, wood, per doz.....	3 25	4 00
" iron,	4 25	5 75

SCYTHES.		
Discount, per doz. net.....	4 50	6 00

SCYTHE SNATHS.		
Canadian, dis. 50 p.c.		

SHEARS.		
R. & W., japanned, dis. 75 p.c.		
R. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 60 p.c.		
Etna, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
" N.P., dis. 70 p.c.		
Claus, full nickle, 60 p.c.		
" japanned handles, 67½ p.c. off.		
Seymour or Heinisch tailor shears, 15 p.c.		

SHEAVES.		
Sliding door, per set.....	0 77	1 40

SHOVELS AND SPADES.		
Canadian, dis. 40 and 10 to 45 and 2½ p.c.		

SIEVES.		
Wood rim, black, per doz.....	1 05	1 10
" tinned,	1 25	1 35
Tin rim, per doz.....	2 30	2 45
" black.....	1 85	2 25

SNAPS.		
Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.		
Per lb	0 25	

WROUGHT SPIKES.		
Discount, 35 to 40 per cent.		

SPOKE SHAVES.		
Wood, English	1 80	5 00
ron, American.....	1 35	2 35

SPOONS AND FORKS.		
Tea spoons, per gross.....	7 50	12 00
Dessert,	21 00	00 00
Table,	30 00	00 00
Dessert Forks,	24 00	00 00
Medium	27 00	00 00
Table	36 00	00 00

SQUARES.		
Iron, per doz.....	1 65	2 90
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAPLES.		
Galvanized	2 00	
Bright	1 00	

STEP LADDERS.		
BOECKH BROS. & COMPANY.		
Best grade, from 3 to 10-ft. long, per foot, 16c		
2nd grade, 3 to 10-ft., per foot, 10c.		

STOCKS AND DIES.		
American, dis. 25 p.c.		

STONE.		
Washita, per lb.....	0 28	0 60
Hindustan,	0 06	0 07
BRICKS.		
Best grade, from 3 to 10-ft. long, per foot, 16c.		
2nd grade, 3 to 10-ft., per foot, 10c.		
STOCKS AND DIES.		

CAUSES OF FAILURE

In the Hardware Trade and How Avoided.

As long as there are failures, subjects that furnish information how to prevent them will always be timely. We have published, in pamphlet form, three admirable papers on the above topic, in which Over-Stocking, Expense, Capital, Credit, Discounts, Buying, etc., etc., are ably discussed. We will mail the whole three essays to any address on receipt of

10 cents

HARDWARE AND METAL, Toronto

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Terms—\$5 per hundred clippings: \$40 per thousand, payable in advance; but a yearly contract will be found the most satisfactory.

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Board of Trade, Montreal

STAR HACK SAWS BUTCHER SAWS BRACKET SAWS

THE STAR HACK SAW

Has a file temper, and one 5-cent blade will do more work than \$1 worth of files. It will cut off an inch square bar of steel 100 times without filing.

THE STAR BUTCHER SAW

Will cut four times as long without filing as any other kind in use. It will cut off a half-inch rod of iron 30 times.

THE STAR BRACKET SAW

Is taking the place of all other kinds.

None of these Star Saws are to be filed, as the price is less than the cost of filing. They are taking the place of all other saws as fast as they become known.

For Sale by Most Hardware Dealers

We also make a Power Hack Saw which may be found in most machine shops and iron working establishments, and should be found in all.

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NEW YORK

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ESTABLISHED 1849.

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THE BRADSTREET COMPANY,

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Offices in the principal cities of the United States, Canada, the European Continent, Australia, and in London, England.

The Bradstreet Company is the oldest and, financially, the strongest organization of its kind—working in one interest and under one management—with wider ramifications, with more capital invested in the business, and it expends more money every year for the collection and dissemination of information than any similar institution in the world.

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McKinnon Building, Cor. Jordan and Melinda Sts.
THOS. C. IRVING, Superintendent

PERFECTION AUTOMATIC REVOLVER.

NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebounding lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

The most perfect small pistol made.



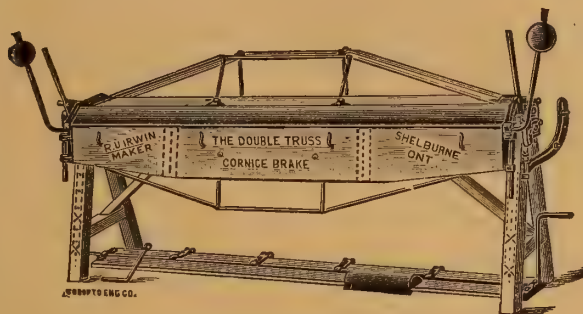
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Forehand Arms Co.

Manufacturers of the

Forehand Guns

Worcester, Mass.



This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, \$50

Very handy beader attachment, \$10 extra, if required.

Send for circulars and testimonials to

The Double Truss Cornice Brake Co. **SHELBURNE, ONT.**

It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

FULL LINE OF

WAREHOUSE (Portable or Dormant) HOPPER SCALES

DAIRY SCALES, COUNTER SCALES WAGON SCALES TRACK SCALES

THE GURNEY SCALE CO., - Hamilton, Ont.

WALTER GROSE, 30 St. Dizier St., Montreal, Que.

Agent for Montreal and Eastern Provinces.



ACETYLENE GAS

The Safety Light and Heat Co. have in successful operation machines from 5 to 200 lights.

Simplicity and safety are the leading features. Being deeply water sealed it cannot leak. It makes the gas cool, washes it twice, and thus makes only pure gas. Never clogs the burners.

THE SAFETY LIGHT & HEAT CO.

Sole proprietors and manufacturers of the celebrated

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CLIFF-WARDLAW GENERATORS.

Send for Booklet.

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Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve

Medals



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By **JURORS** at

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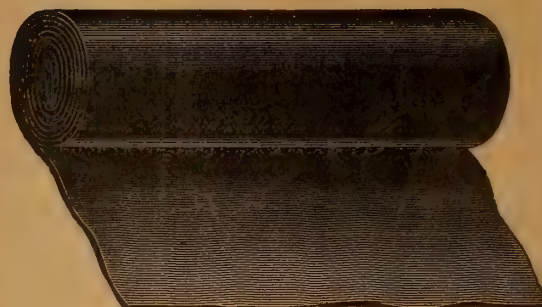
Special Prize

Gold Medal at Atlanta, 1895



HAVE YOU TRIED IT ?

"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE GUTTA PERCHA AND RUBBER MFG. CO.

OF TORONTO, LIMITED.

61-63 FRONT ST. WEST, TORONTO.

We are Headquarters for

Plumbers' Supplies

of all kinds. Our prices are right, and we guarantee prompt attention to all orders, letter or verbal.

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Sterling Value
Langwell's Babbitt
--Montreal.

CANADIAN

HARDWARE

AND METAL
MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X.

MONTREAL AND TORONTO, DECEMBER 10, 1898.

NO. 50



Magnolia Metal

Best Anti-Friction Metal for
all Machinery Bearings.

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in U.S." and "Patented
June 3, 1890" are stamped
on the under side of
each bar.



MAGNOLIA METAL COMPANY

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CHICAGO OFFICE—Traders' Building.
MONTREAL—Caverhill, Learmont & Co.
General Dominion Agents.

Owners and Sole Manufacturers,
266 and 267
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Corrugated Galvanized

"Queen's Head" and "Orb" brands.

The best in quality and finish.

...Iron.

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CANADA'S BEST RADIATORS

Safford

For
Steam
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Water

Prompt Shipments from Stock.

PRICES LOW

Quality Unequalled

Guaranteed to Stand 140 lbs.



Dominion Radiator Company

Formerly
The Toronto Radiator Company.

LIMITED

TORONTO, ONTARIO.

RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President.

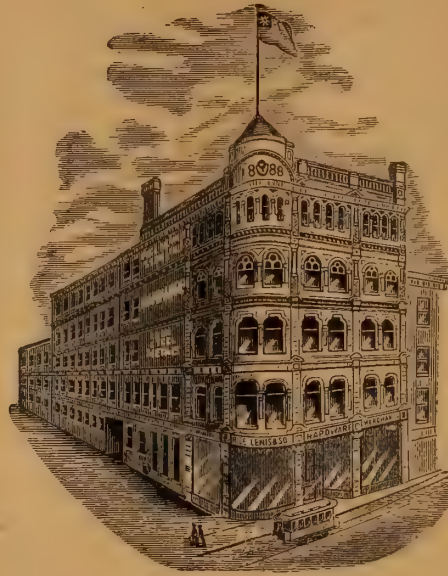
A. BURDETT LEE, V. P. and Treas.

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Bar Iron
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Boiler Plate

Shelf and Heavy

Hardware



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GRATES

TILES

Cutlery . .

FINE BUILDERS' HARDWARE.

Cor. King and Victoria Streets

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Bath=Room Help



Do you want to know how to use a small amount of hot water and yet keep it hot in the Bath Tub—how to save money and yet get an absolutely sanitary and very handsome Bath Tub—how to buy a Bath Tub that you can't wear out and that won't chip or crack—how to get a Bath Tub of the highest quality that is all ready to set up without further expense to you?

Then send for our illustrated booklets that tell all about that "Bath-Room Help"

The price for it complete is but \$17.

**The
"Duplex"
Bath**

The Toronto Steel-Clad Bath and Metal Co., Limited,
125-127 Queen St. East, Toronto

COLDBROOK IRON AND STEEL CO.

Limited

Manufacturers of
all kinds of

BAR IRON.

• • • • •

GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

Established 1825

Important Decision relating to the

Established 1825

HEINISCH



TRADE-NAME ON SHEARS, TRIMMERS, Etc.

The U.S. Circuit Court, Southern District of New York, Judge Townsend, has rendered a decision in the suit of "R. Heinisch's Sons Co. vs. Hermann Boker & Co."

"The Complainant is entitled to an accounting, and to an injunction restraining them from using the names 'Heinisch' or 'H. C. Heinisch' on its Shears, Labels, etc. and otherwise, in any way which will interfere with Complainant's enjoyment of the benefits of its Trade-name."

Referring to the above decision, we would respectfully state our determination to protect our rights in the premises and warn all persons against any imitation of our Trade-name

R. HEINISCH'S SONS CO.,

N.Y. OFFICE, 190 Chambers St.

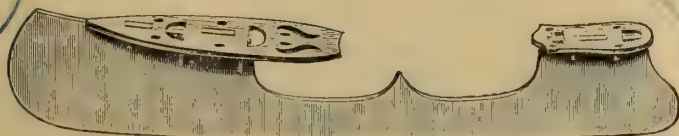
NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

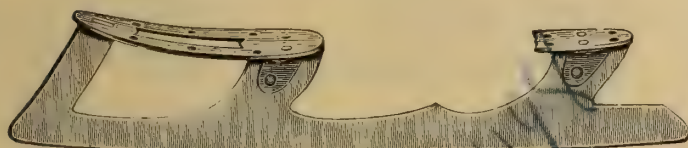
Muller's Skates

These skates have taken a strong hold on the Canadian market. The **quality** is **unexcelled**, the **finish** is **unsurpassed**, the **patterns** are **perfect**.

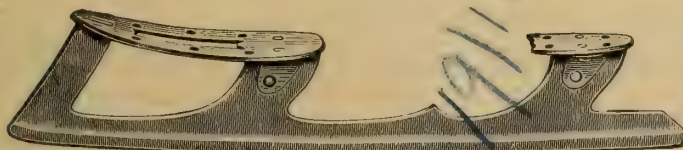
A FEW CUTS.



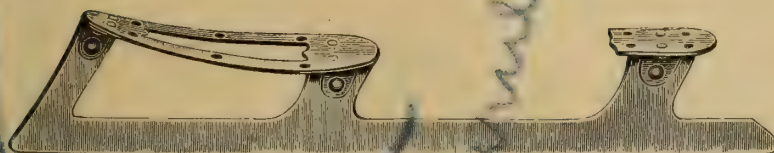
Sizes 8 to 11 inches.



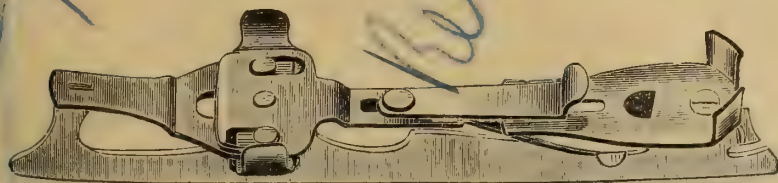
Sizes 8 to 10½ inches.



Sizes 8 to 10 inches.



Sizes 8½ to 12 inches.



Skeleton Skates

No. 327 plain finish.
No. 330 best quality, nickel plated.

Ladies' Rocker Skates

No. 326 nickel plated.

No. 325 best quality, nickel plated,
concave.

Hockey Skates

No. 22 plain finish, all steel.
No. 42 nickel plated, "
No. 222 best quality, highly finished.
No. 242 " " nickel plated.

Spring Skates

No. 5 plain finish, all steel.
No. 9 nickel plated, "
No. 7 best quality, highly finished.
No. 10. " " nickel plated.

Write for our complete catalogue, and order before our stock becomes broken.

FROTHINGHAM & WORKMAN

MONTREAL.



Holiday Goods

DECORATED ENAMELLED WARE.

Children's Setts—Cup, Saucer and Plate.
Teapots, Cream Jugs and Sugar Bowls.
Toilet Setts.

Also Nickel Plated Waiters, Tea Kettles, Hot Water
Kettles, Etc.

Prompt Shipment.

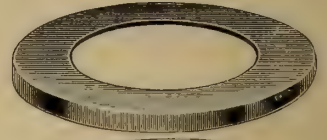
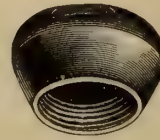
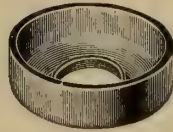
The THOS. DAVIDSON MFG. CO., Limited, Montreal



Stove Trimmings

*In BRASS, NICKEL
and BRONZE.*

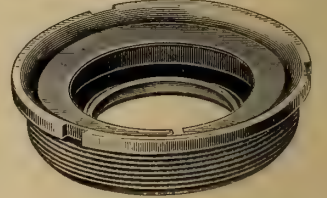
All orders promptly and carefully
executed.



**Sheet Steel
Bicycle Fittings**

*OF ALL
DESCRIPTIONS.*

Estimates furnished from Blue Prints,
Drawings or Samples.



CATALOGUES FURNISHED ON APPLICATION.

The H. A. MATTHEWS MFG. CO., SEYMOUR, CONN.

The fibre is long
and strong

**BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE**

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The E. B. EDDY CO., Limited

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HALIFAX
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The paper stands
wear and tear

Christmas Silverware



No. 1239. Napkin Ring (design registered).

\$1.50 list,
Less 50 p.c. trade discount.

*New
Goods*

in both

**STERLING
SILVER**

and

**ELECTRO
SILVER
PLATE**

particularly suitable
for the season's trade.

The Toronto Silver Plate Co.

Limited

Factories and Salesrooms

King Street West, TORONTO, Canada

E. G. Gooderham, Manager and Sec.-Treas.

Our Phoenix Red Sheet Packing

is not affected by oils,
ammonia, liquors, steam,
heat, or alkalis. It con-
forms to rough sur-
faces. It makes a
perfectly tight joint.
It retains its elas-
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condition.



THE CANADIAN RUBBER CO.
OF MONTREAL
Manufacturers of RUBBER GOODS of all
descriptions.
Factories Branches: MONTREAL
Toronto and Winnipeg.
CAPITAL,
\$1,500,000.

TINNED SHEET IRON.

Our stock is now complete in all standard
and special sizes.

Write for Prices.

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin

164 Fenchurch Street, London, E.C.

26 to 30 Front St. West TORONTO.

CAN YOU AFFORD

to carry in stock unknown brands of stove polish that your customers know nothing about, brands they do not call for, the quality of which is inferior, gives them dissatisfaction, and the consequent sale of which brings discredit to your store? Your best judgment answers NO! Then sell

Enameline

THE MODERN
STOVE POLISH
PASTE, CAKE OR LIQUID

If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

HUSTLERS FOR THE CHRISTMAS TRADE

Articles that will bring you customers and retain them.

Kemp's Royal Tea Kettles

Made with Pit and Body in One Piece. A Strong and Durable Kettle. Supplied in All Copper, or All Copper Heavily Nickel Plated.

Climax Hot Water Kettles

For Base Burners or Table Use. All Copper, Nickel Plated, with Embossed Ornamental Snowshoe Band Around Bodies. Also supplied with Plain Bodies.

Royal Nickel Plated Tea and Coffee Pots

All Copper, Heavily Nickeled. Supplied in four sizes.

Each of these articles is wrapped and put up separately in a cardboard box.



White Enameled Tea Pots

With Fancy Nickel Plated Handles. Nickel Plated Copper Covers and Bowl Bottoms. Highly Decorated.

Kemp Manufacturing Co. - Toronto, Canada.



President, Treasurer,
JOHN BAYNE MacLEAN, HUGH C. MacLEAN
Montreal. Toronto.

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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

**CHANCE FOR BRITISH SHOVEL
MAKERS.**

“**I** CONSIDER that British shovel makers have a first-class chance to secure a foothold in the Canadian market just now,” said W. S. Fisher, of Emerson & Fisher, St. John, N.B., to **HARDWARE AND METAL** the other day. Mr. Fisher went on to explain, as already described in these columns, the difficulty that jobbers had in procuring supplies of shovels, owing to the inability of Canadian makers to meet the demand.

“We cannot apply to the United States makers,” he remarked, “because the latter have an agreement with the Canadian fac-

ories to keep out of the Dominion. No such arrangement debars the British makers, however, and if they would only make the right kind of shovel I have no hesitation in saying that they could get plenty of orders. In the past my firm have been frequently approached by agents of British shovels, but the samples that they exhibited were not suitable to the Canadian trade. The makers on the other side must be aware of the fact by this time, and they have now a first-class opportunity of securing business, and at the same time, conferring a benefit on the Canadian jobbers by relieving them from the present shovel deadlock.”

FLUCTUATION IN METALS.

HEAVERY metals, as will be noted from the appended table, exhibited a downward tendency lately, particularly lead, spelter, tin and copper, and, to some extent, pig iron in England.

On Tuesday of this week, however, spelter and tin recorded recovery in Great Britain, but lead and copper were still weak. The following shows the fluctuations:

	Nov. 28.	Nov. 29.	Dec. 1.	Dec. 6.
Pig iron at London ...	£ 2 9 7	£ 2 9 8	£ 2 9 3	£ 2 9 1
Lead at London ...	13 8 9	13 7 6	13 6 3	13 5
Lead at New York	\$3 67½	\$3 67½	\$3 65	\$3 60
Spelter at London ...	£24 10	£24	£23 17 6	£24
Spelter at New York	\$5 37½	\$5 37½	\$5 37½	\$5 35
Tin at London	£83 16 3	£83 10	£82 16 3	£82 5
Tin at New York	\$18 50	\$18 50	\$18 40	\$18 30
Copper at London ...	£56 12 6	£56 11 3	£55 17 6	£55
Copper at New York	\$13	\$13	\$13	\$12 87½
Antimony at London	£37	£37	£37	£37
Ant'm'ny at New York	\$9 75	\$9 75	\$9 75	\$9 62½

THE SPADE AND SHOVEL INIQUITY.

WRITING to an English manufacturer in regard to the shovel combine, a wholesale dealer in Canada says: “Where can we get certain patterns of shovels. They are not made in England and the combinations refuse to sell us because we will not sign the agreement.”

The agreement referred to is a declaration that the signer has not sold any shovels other than those manufactured by the combine, upon the signing of which, the merchant receives a cheque covering amount of rebate. But should he not sign this declaration he gets no rebate, consequently cannot sell the goods. As **HARDWARE AND METAL** has pointed out in previous issues, there is a clause in the Canadian tariff governing matters of this kind, and it is surprising the Government does not take advantage of it.

There are two courses open to the trade: Either get all made in England, or bring such pressure to bear upon the Government that it will be compelled to enforce the clause in the Act, and remove, after the finding of the judges, the duty altogether. Perhaps the latter would be the better course.

WASHBOARDS ARE DEARER.

An advance in prices has been decided upon by the manufacturers of washboards.

The advance is all the way from a little over 3 per cent. to over 13 per cent.

Scarcity of material and the activity of the demand are the causes to which the advance is ascribed.

CONSUMMATION OF TINPLATE CONSOLIDATION.

THE gigantic tinplate consolidation, which has for some months been in process of formation in the United States, appears to have been finally consummated. At any rate, no other inference can be drawn from the fact that an order has been issued under the authority of that organization closing all the mills which are parties to the new corporation, in order to facilitate the transfer of the properties interested.

The consolidation is capitalized to the extent of \$50,000,000, and will be incorporated under the laws of New Jersey. Of the capital stock, \$20,000,000 is preferred and \$30,000,000 common stock. It is claimed that over 90 per cent. of the stock has been subscribed by the owners of the mills interested. The United States Tinplate Company is the style of the new corporation.

The number of mills included in the consolidation is over 270, and as there were, in October last, over 300 mills in operation, it is evident that approximately 90 per cent. of the tinplate factories of the United States have been merged into the new concern.

The promoters expect to effect a saving of \$1,000,000 annually in transportation charges, through the avoidance of crossshipments of competitive lines.

One begins to realize the size of this consolidation when the fact is taken into account that, to pay a dividend of 9 per cent., no less than \$9,000,000 would be required annually.

The rapidity with which the tinplate industry has developed in the United States is surprising. Only a little more than half a decade ago, it was almost nil, but the production for the fiscal year ending June 30, 1898, was 680,000,000 lb., against 446,982,063 lb. in 1897. This means that the production during the fiscal year 1898 was about 80 per cent. of the consumptive requirements of the United States.

BIG CUT IN PARIS GREEN.

Speculation in paris green for forward delivery continues active, and, as a result of competition between makers, values are from $\frac{1}{2}$ to 1c. per lb. lower than they were quoted last week. The first cut was made

by a maker in the west, who has started in to make 100 tons, and is offering to book contracts at 11c. bulk and 12c. in packets.

Montreal makers have not gone quite as low as this, but we know of large contracts being accepted by the latter for delivery between now and the spring at 11 $\frac{1}{2}$ c. in bulk and 12 $\frac{1}{2}$ c. in packets.

These are considerable cuts, and have had the effect, in some cases, of unsettling buyers, who had conceived the idea, from the position outside, that paris green would rule firm during the ensuing spring.

THE DUTY ON WINDOW GLASS.

A GLASS factory is to be started at Hamilton, Ont. It will be a branch of an Indiana concern, and the work of erecting the new factory is to be started forthwith. Employment at the start will be given to 100 men. The "Ambitious City" is to be congratulated.

The Hamilton Herald contends that Canada offers a splendid field for a window glass factory, but maintains that the tariff is not high enough.

The present tariff on window glass is 20 per cent. ad valorem. If the success of a window glass factory was assured, it is possible a higher duty might be secured. But, while glass bottles, jars, etc., can be made in Canada, there is a grave doubt in regard to the success of window glass making, and, in view of this, it would, for the present, at least, be unadvisable to increase the duty on this description of glass.

The duty on glass bottles, glass jars, figured and ornamental glass, etc., such lines as are produced in the Dominion, is 30 per cent.

WEAK ROPE AND TWINE MARKET.

The association which has governed the rope trade of the United States has ceased to exist, The Standard Rope and Twine Co. having withdrawn from membership.

Keen competition is now in prospect, with the accompanying cutting in prices.

The effect of this has already been manifested in regard to cordage, which has been reduced 1 $\frac{1}{2}$ c. per lb.

And not only has the association collapsed, but there is a large stock of sisal

fibre in the United States, while the stock of Manila fibre is the largest for years.

All these things naturally indicate an unsteady market for twine and rope, and, as hardware dealers are already being induced to place orders for future delivery, it would be well for them to see that their guarantees are sufficiently liberal to protect them in the event of a decline.

PRICE-TICKETS ON GOODS.

A GREAT deal of the effectiveness of a display of goods is lost by the neglect to place a price-ticket on the goods displayed.

Such phrases as "The Newest," "The Best," "The Latest," have little effect upon passers-by, but, if the price accompanies these phrases, there is something to arrest the attention.

People will not go home or to the homes of their friends and talk about the phrases with which this and that merchant labels his goods, but they will talk about the prices he has upon his tickets.

Then, there is frequently an article in the window or near the door which catches the eye of a passer-by. It strikes him as something he would like to buy for himself, his wife, or his children. But he is, perhaps, in a hurry, or hesitates about stepping into the store to ask the price of the article. Probably he will never become a buyer, but had the price been there he probably would have purchased.

Merchants would do well to place themselves once-and-a-while in the position of their customers. They would then probably see defects that they now do not.

Many merchants are probably deterred from placing a price-ticket on their goods from the fear that their competitors will take advantage of them.

No one can make progress without making a footprint in the sand. And, supposing someone else does come along and step into it, what of it? Is it not an evidence that you are leading and others following?

But why should a merchant care for his competitors? It is only for the trade of the consuming public that he should care.

Put price-tickets on your goods, no matter what your competitors may do.

WONDERFUL CUTLERY DISCOVERY.

A TORONTO daily paper has made a discovery. It is nothing less than the fact that English cutlery makers can do a good trade with Canada, provided they will only turn out the required patterns.

No doubt the Dominion Government, on learning this, at once met in council, gravely considered the matter, and, on receiving the Governor-General's sanction, immediately cabled the Secretary of State for the Colonies, who, in turn, submitted the matter to Lord Salisbury, who, in turn, summoned the Cabinet, which, in turn, authorized the Right Hon. Joseph Chamberlain, after calling to his assistance the Canadian High Commissioner, to acquaint the cutlery manufacturers of Sheffield, Birmingham or any other city in which anything from a jack knife to a dagger, or a fruit knife to a carver was made, that it was possible a good trade could be worked up in Canada, if only the right patterns of cutlery were made.

As such an important matter of state Mr. Chamberlain would scarcely trust to subordinate, he is possibly, at this moment, hurrying in and out of the cutlery factories acquainting them with the wonderful discovery made by a Toronto daily paper.

FIRM OUTLOOK FOR WIRE.

IT is quite possible that the beginning of the year will see higher prices ruling on wire and wire nails.

The basis for this possibility is the increasing firmness of pig iron and Bessemer steel.

Already, one of the largest wire concerns has notified importers in Canada that it has been compelled to advance prices on wire and wire nails for shipment after December 31, and that all outstanding quotations have, therefore, been withdrawn.

PARCEL POST PACKAGES.

The following is an extract from Departmental circular issued to all postmasters in Canada, relative to parcel post packages: "The attention of postmasters is further called to the fact that no parcel can be sent from Canada to any other country by parcel post unless it bears a Customs declaration setting forth the nature of its contents and its value. As the acceptance by a postmaster of a parcel addressed to any other country, and not provided with a Customs

declaration, will result in its being sent to the dead letter office, postmasters are specially directed not to accept such parcels without the Customs declaration."

CHAT ABOUT ST. JOHN'S WINTER PORT.

MR. W. S. FISHER, of the wholesale hardware firm of Emerson & Fisher, St. John, N.B., was in Toronto this week, en route home from a visit to some of the manufacturing centres in the United States.

When Mr. Fisher was in Western Canada a year ago it was for the purpose of promoting the interests of St. John as a winter port. This year his object is business in connection with his own firm. But that does not prevent him singing, whenever the opportunity affords, the praises of the New Brunswick winter port. Consequently, I only required to press the button, or, rather, ask a question, and he talked about his favorite theme with his accustomed earnestness.

"We have," he said, "constructed two more steamship berths since last winter, and next year, when the winter port season opens, we shall have two more ready to accommodate steamers over 500 feet long, and we can also give them all the water they want under their keel. Our elevator accommodation has been very much increased too, the C.P.R. having erected an elevator with a capacity of 750,000 bushels. This, with the one we already have, gives us an elevator capacity of 1,000,000 bushels."

"What is the outlook for the winter port trade?" I asked.

"Well, the outlook is good," replied Mr. Fisher, "but we cannot yet, with certainty, of course, tell what the actual results will be until the season closes."

"What steamship service will you have running in and out of the port?"

"Let me see. There will be a direct weekly Liverpool service, a fortnightly Glasgow service, a fortnightly London service, a fortnightly Dublin and Belfast service, and a Manchester service. I am not sure whether the Manchester service is every ten days or every fortnight. I think it is a ten-day service. As you know, the Government subsidy goes this year to the Allan and Dominion Lines, and this company will give us a splendid service. The boats of this line last winter ran to Portland. Now, of course, they make St. John their terminus. The Beaver Line tried hard to get the subsidy again, but having failed its boats will not call at St. John this winter."

The St. John Board of Trade is at present preparing a book dealing with the winter port. It will be illustrated and have five maps. The work promises to be a most interesting one.

OMAR.

TRADE CHAT.

THE KIRK - LATTY COMPANY, manufacturers of trunks, nails, bolts, etc., Cleveland, Ohio., have written to the London, Ont., council asking what inducements that city would offer them. They are considering the establishment of a factory in Canada. If they do so, they will require a building 200 x 40 feet, two storeys high, and would employ about 100 hands.

Randal Kenney intends installing a cold storage plant in Sarnia next season. The plans for a building, 45 x 22, are being prepared.

On Tuesday night fire did damage to the extent of \$20,000 to Gordon's general store, and \$5,000 to Sparling & Lander's hardware store in Manitou, Man.

The John L. Cassidy Co., Limited, of Montreal, intend to open out at the beginning of the New Year, a branch store at 110 Sparks street, Ottawa, where a large assortment of china, glass, lamps, cutlery, brass goods, etc., will be carried. A. F. Bishop will be manager.

An Aylmer despatch says that L. L. Sheldon, of that place has disposed of his interest in the Aylmer Iron Works to Mr. E. E. Jenkins, of Springfield. The new firm will therefore consist of Mr. Henry Sheldon and Mr. Jenkins, who will at once add a lot of new and improved machinery.

During the eleven months of 1898, ending November 30, the following numbers of emigrants left British ports for Canada: English, 561; Irish, 35; Scotch, 24; and foreign, 677. Total for the eleven months ended November 30: English, 14,861; Irish, 853; Scotch, 1,687; and foreign, 9 465.

CATALOGUES, BOOKLETS, ETC.**BICYCLE PARTS CATALOGUE.**

Hardware dealers, especially those who have, in connection with their business, a bicycle repairing department, should send for a copy of the bicycle parts catalogue, issued by The Standard Tool Co., manufacturers of electrically-welded bicycle parts, Cleveland, O. This firm manufacture many other goods, but this catalogue deals only with their homogeneous tubing for bicycles. A copy of the catalogue can be had by application to The Standard Tool Co., Cleveland, Ohio.

FIRST CATALOGUE OF THE SEASON.

The first catalogue, for 1899, received by **HARDWARE AND METAL**, was issued by Bodkin & Co., retail stove and tinware dealers, etc., Dresden, Ont. It is a beauty. The printer's, lithographer's and embosser's skill have, together, produced an old English winter scene in a gilt frame, through which forget-me-nots and wild roses are entwined.

BUSINESS CHANGES.**DIFFICULTIES, ASSIGNMENTS, COMPROMISES.**

PSIROIS, general merchant, Riviere St. Jean, Que., is offering 25c. on the dollar.

F. Normand, general merchant, Asbestos, Que., has assigned.

Lavoie F. Lislet, general merchant, St. Eugene, Que., has assigned.

George F. Fallis, general merchant, Revelstoke, B. C., has assigned.

Assignment has been demanded of Joseph Brouillette, contractor, Montreal.

John F. Amiso, general merchant, Lower East Pubnico, N.S., has assigned.

John D. Robertson, general merchant, Goldenville, N.S., is reported away.

Assignment has been demanded of Z. Harvey, general merchant, St. Hilarion, Que.

David O. Perrault, confectioner, Montreal, has assigned, and is offering 25c. on the dollar.

Samuel Sutton, dealer in agricultural implements, Blyth, Ont., has assigned to Joseph Carter.

A meeting of the creditors of Girard & Laforest, general merchants, Grand Mere, Que., has been called for Dec. 12.

C. D. Spittal & Co., bicycle dealers, etc., Ottawa, has assigned to P. I. Bazin. A. P. Mutchmore has been appointed curator.

PARTNERSHIPS FORMED AND DISSOLVED.

Leveille & Ouimet, plasterers, Montreal, have dissolved.

John G. Pritchett and Murray Bros., plasterers, London, Ont., have dissolved.

M. Laganier & Co., general merchants, St. Alban, Que., have registered dissolution.

Larne & Galarneau, manufacturers of wire fencing, Port Rouge, Que., have dissolved.

D. Johnston has registered as proprietor of D. Johnston & Co., general merchants, Westville, N.S.

Marcelin Laganier and Jos. R. Rivard have registered partnership as general merchants, in St. Alban, Que.

SALES MADE AND PENDING.

J. H. Seaney, general merchant, Ymir, B.C., is offering to sell out.

Wm. Harper, harness and hardware dealer, Lakefield, Ont., has sold out.

F. X. Laflamme, crockery dealer, Quebec, has sold his stock at 75 1/2 c. on the dollar.

The Acme White Lead and Color Works have sold out their Windsor, Ont., branch.

J. J. Frith, blacksmith and carriagemaker, Boissevain, Man., is advertising to sell out.

The assets of Robert Philip, wood and coal dealer, St. Henri de Montreal, have been sold.

The assets of Chas. Pearson, general

merchant, Cedar Hill, Que., are to be sold on the 9th inst.

The stock of Pierre Maltais, general merchant, Murray Bay, Que., has been sold at 57c. on the dollar.

The stock of Eusebe Levesque, general merchant, St. Pacombe, Que., has been sold at 57c. on the dollar.

E. B. Tucks, hardware dealer, Kingston, Ont., has sold his stock for 60c. on the dollar to Frank Phillips.

CHANGES.

Wm. Rath, blacksmith, Tweed, Ont., has sold out to P. McIlroy.

Solomon Levi has opened out as general merchant at Shoal Lake, Man.

Wm. Minor, blacksmith, Cookstown, Ont., has sold out to W. Gracie.

John McMenamy, blacksmith, Cookstown, Ont., has sold out to C. Clute.

The North American Fence Supply Co., Toronto, is applying for incorporation.

George Guerette, general merchant, Edmundston, N.B., has retired from business.

J. W. Wolfe, general merchant, Gladstone, Man., has sold out to T. Finklestein.

R. H. Peters, general merchant, Enterprise, Ont., has sold out to R. S. Milligan.

The Canada Hardware Co., Limited, Montreal, intends applying for incorporation.

W. P. Laverock, general merchant, Tottenham, Ont., has been succeeded by M. Cain.

T. Z. Hubbs, general merchant, Indian Head, N.W.T., has sold out to E. J. Brooks & Co.

The Standard Paint and Varnish Works Co., Limited, Windsor, Ont., has been incorporated.

Jas. Franks, general merchant, Hyde, N.W.T., has sold out to S. B. Musselman, Grenfell, Man.

C. H. Clements & Co. are commencing business as general merchants in North Sydney, N.S.

A. B. Trites, general merchant, MacLeod, N.W.T., has sold out to Schofield & Co., Pincher Creek, N.W.T.

The Dominion Cutlery and Specialty Co., Rock Island, Que., has changed its style to The Dominion Specialty Co.

It was James S. Hamilton, for some time with Gardner & Co., that bought out the hardware business of J. Codville, Woodstock, Ont., and not Gardner & Co., as stated in a recent issue.

DEATHS.

W. Beatty, general merchant and miller, Parry Sound, Ont., is dead.

FIRES.

H. L. Merritt's sawmill, Blenheim, Ont., has been burned out.

F. A. Parent, bicycle dealer, etc., Kingston, Ont., has been burned out.

THE BUSY M'CLARY CO.

There are employed at The McClary Company's foundry 550 hands, working full time. The premises are taxed to their utmost, and all the hands are employed that can be accommodated. Since the enameling department was started two additions have been made. The ground area of the entire works is 8 3/4 acres, and there are 378,852 square feet of floor area. Business during the past two years has been good, but the big advances were made during the past twelve months, caused by increased trade from the Northwest and British Columbia. A branch concern was started in Vancouver last year, and a large warehouse was opened in Montreal. The outlook for business is bright, and, with good crops in the Northwest and British Columbia, another big business year is looked forward to.—Advertiser, London, Ont.

COMING TO TORONTO.

The Sherwin-Williams Co., the big paint manufacturers, have taken the warehouse, 86 York street, Toronto, where they will open a depot and office for their Toronto and Western Ontario business, which has grown to large proportions.

The policy of this enterprising company is to get as close to their trade as possible, which enables them to give their customers more assistance in disposing of their products.

It is understood they will also carry stock at Winnipeg and Vancouver, in which districts the company are doing a very heavy business.

FIRMS COMMENCING BUSINESS.

J. A. Thompson has opened out as hardware and lumber dealer, Elgin, Man.

H. Keys has opened out as hardware dealer and saddler, at Midway, Man.

R. Johnston, harness dealer, Stonewall, Man., has opened branches at Balmoral and Foxton, Man.

Brown & Yellowlees have opened out as hardware dealers at Ninette, Man.

**WIRE NAILS
TACKS
WIRE**

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

A RETAILER'S DAY WITH THE KNIGHTS OF THE GRIP.

By H. C. W.

MANY days are much alike with the traveling salesman, but there are exceptional ones when all of him are out in his hustling season. The calls had been so numerous, and the wares for a hardwareman so varied at this time, that we set apart a day to make a record of them—to keep tab on the knights. We decided on Monday—Monday seems to bring more of them than any day of the week in any season. With a stock of never-failing good nature, always at hand for these friends of the man in business, I split the mail—separated it properly and found two of them waiting attention—either one willing to give way to the other for first chance. They are souls of honor and politeness in such matters, and it is their gain.

THE FIRST CALLER.

No. 1 had his prosaic nails and wire to offer and pointers on car lots, leaving eventual large profits in sight for a contract, even in these lines. We had seen these booms in wire and nails for generations, and having both stock and contract were pleasantly through with him.

METAL POLISH IMPRESSIONS.

No. 2 hadn't so much to offer, but he had the house back of him, had his nerve with him, and was here to sell the goods—in fact, carried them with him.

You will recognize him in the "metal polish" man, who, while we were conversing with No. 1, had occupied his time in beautifully cleansing several short lengths of nickel showcase, necessitating somebody's polish to make the balance of them presentable.

If we couldn't consider it in five-gross lots, "would we allow him to place it in two or one-gross delivery at the same price, to introduce it." "No; we had two lines and enough," and he was gone for the time being.

HOW THEY FRATERNIZE.

Occasionally we get busy, and they gather in squads, in the meanwhile, introducing themselves each to the other, and discuss their business or yours as seems fit. This time found four of them on the anxious seat, three of them to stay it out, and the last one in, having to make a train, could only promise to come again.

No. 3 carried a self-adjusting hammock-swing, in two sizes, and at such prices that it would be hard to do business without them—no matter what our stock. "You do not carry anything in the line? Then you cannot afford to throw away the profit that goes with these goods," etc. After a

Is Sherwin Williams

You know there is much more painting done now-a-days than of old, but did you know there is a far better way to do it? Painting is no exception to other things. The art has not stood still. You can still buy some white lead (are you a judge of it?) and some oil (are you a judge of that?) and find a neighborly painter and have some paint made; but as sure as you are alive there is a better way.

THE SHERWIN-WILLIAMS PAINT

Are you awake to the fact that you can get a paint that is made for the particular work you want done, of the best materials combined in the best proportions, mixed in the best way; and that will do more than any other paint will do? If this is not true, then The Sherwin-Williams Paint factory with its tons of daily output and its thirty years of wonderful growth is a pure miracle. "Paint Points" will help you paint right. It's free.

THE SHERWIN-WILLIAMS CO.,
PAINT AND COLOR MAKERS,
Canadian Dept., 21 St. Antoine St., Montreal.

final effort, and that at consignment, he left us, to try the department stores.

A ROAD ADONIS.

The handsome fellow presenting himself as No. 4, would have the respect of any buyer on sight, even in the announcement of a "prospectus for the Cuban war." A gentleman all over—he thanked us for what he was pleased to call attention and departed for more patriotic fields.

A FOE TO TRUSTS AND COMBINATIONS.

No. 5 was a provider of lubricating oils unutterably opposed to any combinations or trusts—and the only independent oil company in existence. As we were already under contract with another independent (?) company, we could not argue the matter but with a turn down. As a buyer of oils, in connection with hardware, the average reader understands that one contract of this sort covers a long time of doling out in gallons and their smaller multiples.

ONE OF THE INNER CIRCLE.

Among the many friends you own along the line of travelers, there's always the standby—the man you always want something of, and never pass by. No. 6 was such a one, and, having passed the time of day, and turned the last friend out as he came in, I explained to him I would be busy most of the day, and, as he would be here

for another one, would take his time in the morning—and I was busy most of the day.

A RESPITE.

Straightening my desk up and putting myself in trim for some work that had been waiting and that must be done, I started hard at it, and for possibly five minutes made brave progress. It is hard to see a clever looking gentleman standing at your office door and not invite him in, and that's usually followed by the inevitable business card.

VARNISH BLARNEY.

In the case of No. 7 it was varnishes—and varnish men are never able to talk the merits of their goods—and their goods are without merit—never. "Mr. W—, I haf tried for a number of years to put de goods of de largest and best house of America on your shelves. We haf reserve your house for our agency, because we want only de best in each city. Mr. W—, would dere be some chance of placing our goods with you on another trip? I should not think of placing dem elsewhere."

There are older and larger stores in our city, and stores that sell four times the varnishes we dispose of, and the good-natured rascal, in his agonizing politeness, well knows it, but he finds a class of trade

this goes with, and, in his lack of knowledge of human nature, he pursues all alike.

SALES LADIES.

Not half so bad are these as the two ladies waiting outside and who have just come in as our friend leaves. I class them travelers for the day, for they have goods to sell—they are offering programme advertising—and we bought it, just as the average man buys a thing he doesn't want, when he sees no other possible way of getting rid of the solicitors. It's a hard row the business man goes through with when compelled to face the quiet threats of women whose business is elsewhere, and yet who are continually used in this offering of goods that have no value. It puts one out of humor with the world—and I take it back; it's wrong to class them with knights of the grip. They are not true knights.

A SHORT REST.

My banking hour is attended to, some office matters put in shape, and I have actually talked business and done business—sans drummer, sans interruption—for nearly half an hour, as a business man loves to until the opportunity offers for buying and he is ready to embrace it, when back comes the willing, ready worker, who has been out making hay—who has been taking orders—in the shape of the metal polish man, who was our second caller. He now ranks as No. 9, because he comes with a new deal.

ONE WAY OF STIMULATING TRADE.

He has gone out among plumbers and druggists and engineers, has rubbed them up and taken numerous small orders, to be delivered through some one, the total leaving a nice little profit if he hadn't made time arrangements with most of them without regard to any standing they might have. Would we take them? Here was a gross sold already—his enterprise was worthy a better recompense than we could give him. While he talked and argued his position, our old friend C——, with his long line of manufacturers' agencies, came in.

A LITTLE RELAXATION.

It is a relief to talk straight hardware for a while, or, better, drop business and spend an hour at lunch, as was the case to-day with this old-time friend and knight of the grip.

I was briskly engaged with him for a couple of hours following, and, during that time, was handed the cards of three more of the commercial friends—making No. 11, 12 and 13 to see later. But why keep it up? You all go through with it. These meetings with men are lessons in life—always something taught and learned. We started to make a record of the day—it would make a book in detail. Sufficient that this one particular day brought us up to and including

No. 21 of these whole-souled knights of the grip, and their coming will be many more and for many days. We'll always be glad to see them.—Iron Age.

ANCIENT SPURS.

IT MAY interest the people of Walsall to know that the earliest spur known in England was merely a sharp goad, subsequently modified and improved by bending the shank to suit the ankle. The rowelled spur made its first appearance in the reign of Henry III. The rowel soon became a fashionable monstrosity in regard to size, the usual rowel in the reign of Henry VI. being 7½ inches in length. A great change of fashion succeeded, and the only spurs in favor had close star shaped rowels. The town of Ripon, in Yorkshire, was, three centuries ago, the greatest centre of the spur-making industry in the kingdom. There was an old Yorkshire saying:

"As true as Ripon rowels,"

and it was said that Ripon rowels would strike through a shilling, and rather break than bend. When King James I. passed through Ripon he was presented by the town with a pair of spurs valued at £5 (or £25 of present money value). The olden knights, proud of their spurs, were not content with simple steel. Brass and silver, and even precious stones were used in the

production of spurs for knightly service, and mottoes were inscribed in jewels, such as:

A true knight am I.
Anger me and try.

Walsall is now the chief centre of the spur-making industry, and they are made in great variety—some to screw into the boot of the rider, others to fasten with a strap, and other peculiar patterns for the South American and other foreign markets.—Hardwareman.

A TRAVELER MARRIES.

A quiet home wedding took place on Thursday, December 1, at 61 Cecil street, Toronto, when Mr. C. E. Warnock, a member of Sanderson Percy & Co.'s traveling staff, was married to Miss Helena Cronkrite. Mr. H. F. Schmidt, a Sebringville, Ont., hardwareman, supported the groom, and Miss Gertrude Stead was bridesmaid. The newly married couple are spending their honeymoon in the Eastern States. **HARDWARE AND METAL** tenders congratulations.

Langley & Co., otherwise The Dominion Trading Stamp Co. are in trouble at Woodstock. Transient traders have to take out a license in that city, and this company have been asked to do so. They refuse on the grounds that they do not sell their goods; they give them away. The matter will be settled in court.

GILBERTSON'S

"COMET"

BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are **fully equal** in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and **cost less.**

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. **Cost** no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and choice annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . . 22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

WHOLESALE
HARDWARE

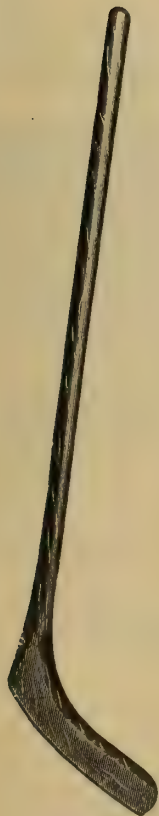
37-39 Front Street West TORONTO

Skates.



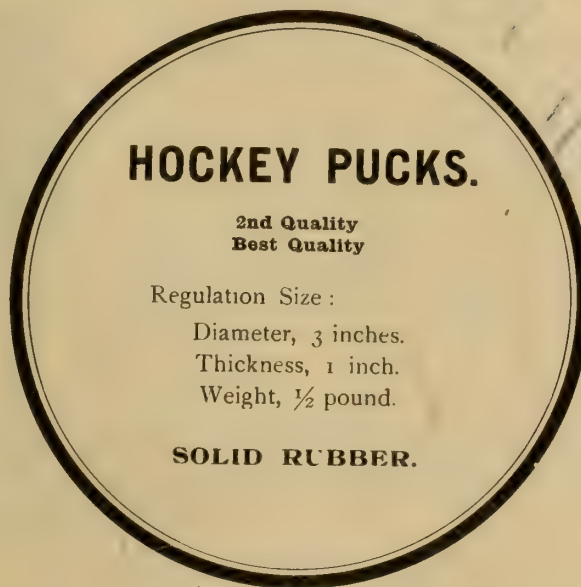
All Sizes now in Stock.

If you have not received our Fall and Winter Catalogue write for one.



Hockey Sticks.

White Ash—Oil Finish.
" " —Plain "
Rock Elm—Oil Finish.
" " —Plain "



HOCKEY PUCKS.

2nd Quality
Best Quality

Regulation Size :

Diameter, 3 inches.

Thickness, 1 inch.

Weight, 1/2 pound.

SOLID RUBBER.



Skate Straps. Skate Parts.



Snow Shovels.

Steel, T and L Handles.
"Favorite," Wood—Painted Red.
Steel Side-walk Scrapers.

Graham Cut and Wire Nails are the Best.

H. S. Howland, Sons & Co., Toronto

LARGE
ASSORTMENT.

CLOSE
PRICES.

MANITOBA MARKETS.

WINNIPEG, Dec. 5, 1898.

THE weather continues cold, clear and bright, with good sleighing. Wheat deliveries have been heavy during the past week. There is no special feature to note with regard to trade, and prices are unchanged. We quote as follows:

Barb wire, 100 lb.	\$2 40
Plain twist wire and staples.	3 00
Oiled annealed wire.	2 80
"	11 20
"	12 30
"	13 35
"	14 30
"	15 35
Wire nails, 30 to 60 dy, keg.	2 35
" 16 and 20	2 40
" 10	2 45
" 8	2 50
" 6	2 65
" 4	2 75
" 3	3 00
Cut nails, 50 and 60 dy.	2 15
" 20 to 40	2 20
" 10 to 16	2 25
" 8	2 30
" 6	2 35
" 4	2 60
" 3	2 85
" 3 fine	3 15
Horse nails, 45 per cent. discount.	
Horseshoes, iron, light, medium and heavy, keg.	4 00
Snow shoes.	4 25
Steel, light.	4 15
" extra light.	5 75
Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	
Tool steel, Black Diamond, 100 lbs.	8 00
Jessop	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge.	3 75
28 gauge.	4 00
Galvanized American, 16 to 24 gauge.	4 00
26 gauge.	4 25
28 gauge.	4 50
Genuine Russian, lb.	12
Imitation "	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge.	7 50
28 gauge.	8 50
Tin plate, 1C charcoal, 20 x 28, box	8 50
" IX	10 50
" IXX	12 50
Canada plate, 18 x 21 and 18 x 24	3 25
Sheet zinc, cask lots, 100 lbs.	6 50
Broken lots	7 00
Pig lead, 100 lbs.	4 25
Wrought pipe, black, 1/4 inch.	2 50
" 3/8 inch.	2 75
" 1/2 inch.	3 00
" 3/4 inch.	4 00
" 1 inch.	5 00
" 1 1/4 inch.	7 00
" 1 1/2 inch.	8 50
" 2 inch.	11 50
" Over 2 inch.	65 p.c.
Rope, sisal, 7-16 and larger.	11 00
" 3/4	11 50
" 1/2 and 5-16	12 00
Manilla, 7-16 and larger	12 50
" 3/4	13 00
" 1/2 and 5-16	13 50
Cotton, all sizes, lb.	15
Axes, per box	\$5.50 to 8 00
Screws, flat head, iron	85 p.c.
Round	77 1/2 p.c.
Flat " brass.	80 p.c.
Round "	72 p.c.
Bolts, carriage	60 p.c.
Machine.	60 p.c.
Tire	55 p.c.
Sleigh shoe.	65 p.c.
Rivets, iron.	50 p.c.
Copper, No. 8, lb.	28c.
Spades and shovels.	40 p.c.
Harvest tools.	60 to 60 p.c.
Axe handles, turned, s. g. hickory, doz.	\$2 50
No. 1.	1 50
No. 2.	1 25
Octagon extra.	1 65
No. 1.	1 25
Linseed oil, raw, per gal.	58
" boiled "	60

Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol.	25 p.c.
" military.	15 p.c.
American R.F.	35 p.c.
C.F. pistol.	5 p.c.
C.F. military.	Net.
Loaded shells, Robin Hood, M.	\$20 00
Eley's 12 gauge, M.	16 00
American, M.	16 25
Shot, Ordinary, per 100 lbs.	6 75
Chilled.	6 75
Powder, F.F., keg.	4 00
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed.	.70 and 30 p.c.
Granite ware, according to quality.	50 to 60 p.c.

IRON INTERESTS IN NOVA SCOTIA.

SOME three weeks ago, J. S. McLennan, treasurer of The Dominion Coal Co., proceeded to Newfoundland to look into some iron deposits owned by his company, as well as to examine the large iron deposits at Belle Island, owned and worked by Graham Fraser and others for the Ferrona Company, of Pictou. A gentleman from Newfoundland informs a reporter that Mr. McLennan has succeeded in purchasing the Ferrona areas, as well as several other smaller areas north. Mr. McLennan has also made arrangements for the mining, next season, of 2,000 tons per week of the ore. The informant could not state positively as to what point this ore was to be shipped, but believed this ore was intended for the Ferrona works in Pictou.

It would seem from what is taking place that The Dominion Coal Co. has not only acquired all the principal iron deposits in Newfoundland, but has also acquired The Ferrona Smelting Works at Pictou. Whether the intention of the syndicate is to move the Ferrona works to some point in Cape Breton or not, is only just now known to the directors themselves. In the meantime, the engineers are busily surveying sites at Glace Bay and Louisburg. A report of the three sites, with plans, will, when completed, be forwarded to the head office in Boston, where the board will decide upon the most suitable place for the smelting works, and the work of construction will begin on a large scale early next spring.

The fact that England has now to depend upon Spain and other continental countries for iron, in consequence of export duties, etc., being placed on ores going into England, thus causing iron, of late, to advance by leaps and bounds, has stimulated The Dominion Coal Co. to action. All the iron deposits in sight the big concern is acquiring and attempting to acquire. That Cape Breton will become the greatest centre of iron industry in the world in the near future, there is little doubt. The ore, it is said, can be smelted in Cape Breton or Nova Scotia, and exported to England, and there undersell any article of iron manufactured in England or imported from any other country. This is based on no sentimental theory. It is the cold fact, and the people of Cape Breton will soon be made aware of it.—N.S. Herald.

Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring. "The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety, Toilet, Hand, Electric Power. ARE THE BEST. Highest Quality Grooming and Sheep-Shearing Machines. WE MAKE THEM. SEND FOR CATALOGUE TO American Shearer Mfg. Co., Nashua, N.H., USA.

COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel and will not heat. 1899 catalogue ready.

Coates Clipper Mfg. Co. WORCESTER, MASS.

McLaskill, Dougall & Co.
Fine Varnish & Japan
Manufacturers
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Price Lists on application

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AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods
We make a specialty of.... Can ship promptly and supply the very best

"Hand Shaved"

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Axe HandlesMade by
Indians

being the largest dealers in Canada in this line. Can give exceptional value. Have 5,000 dozen of these handles on hand, ready for polishing. Write for prices.

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Tilbury, Ont.



EMERY

Cloth and Paper.
Glass and Flint Paper.

"Atlas" Brand

"FLORA" Knife Polish, in 3d, 6d
and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality
for general and
special purposes.

EMERY GRINDING MACHINERY.



Write for Latest Catalogues and Samples to

THE LONDON EMERY WORKS CO.,

10-12 Vine Street
Clerkenwell,

LONDON, E.C.

CORPORATE MARK



JOSEPH RODGERS & SONS, Limited.

MANUFACTURERS OF

Pocket and Table Cutlery, Scissors, Razors, Erasers, Etc.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for Canada,

JAMES HUTTON & CO.,

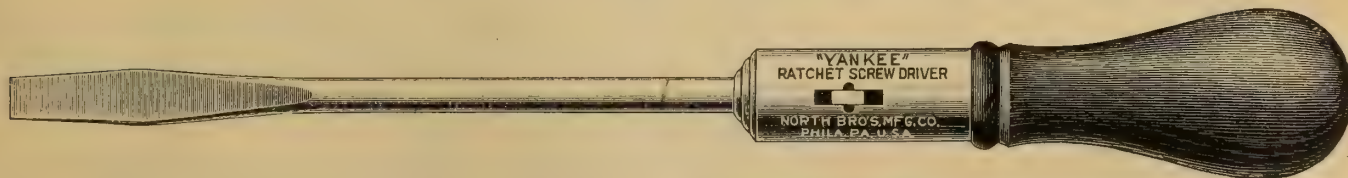
Montreal

OTHER TOOLS ARE VERY GOOD TOOLS, BUT

"YANKEE" TOOLS ARE BETTER



SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

Sold in Canada by

CAVERHILL, LEARMONT & CO.	-	-	-	MONTREAL
FROTHINGHAM & WORKMAN	-	-	-	"
ALEXANDER MACPHERSON & SONS	-	-	-	"
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RICE LEWIS & SON, Limited	-	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	-	LONDON
HOBBS HARDWARE CO.	-	-	-	"
WOOD, VALLANCE & CO.	-	-	-	HAMILTON

Descriptive Circulars will be mailed
on application.

North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.

COMMERCIAL MATTERS IN THE WEST.

MR. SOLON W. McMICHAEL, chief inspector of Customs ports, has returned to Toronto, from a tour of inspection in Manitoba and British Columbia. He comes back much impressed with the commercial development of the North-west and British Columbia.

In Winnipeg, the Customs collections are running over \$100,000 a month, and it is estimated that the total revenue for the year will reach at least \$1,250,000. Last year, the amount collected was \$900,000. When it is remembered that the collections in eastern cities, with a population somewhat exceeding that of Winnipeg, are only about \$500,000 per year, it is quite evident that the "Prairie City" is doing remarkably well. Commercial payments out there, Mr. McMichael reports, are being well met, and he points out that there are still about 10,000,000 bushels of wheat, valued \$5,000,000, in the hands of farmers, which, when sold and the money goes into circulation, will tend to still further stimulate business.

It is about three years since Mr. McMichael was in Manitoba before, and he stated that the improved condition of the farms and farm dwellings and outhouses has materially improved since his last visit. Speaking of Vancouver, he said that the

collections this year would be in the neighborhood of \$670,000, which is remarkably good for a city the size of Vancouver. Three years ago the collections at that port, in round numbers, were \$200,000. Two years ago they were \$300,000, and one year ago they were \$400,000.

"This, simply goes to show," said Mr. McMichael, "that the Canadian west from Winnipeg to the Coast is going ahead by leaps and bounds, while the proportion of business is larger than in eastern Canada. Then, too, it must be remembered, the profits are larger."

In consequence of the growing trade in the west Mr. McMichael found it necessary to increase the staffs at Winnipeg and Vancouver.

AMMUNITION NOT SHORT IN MONTREAL.

In last week's issue **HARDWARE AND METAL** referred to the fact that there was a shortage of ammunition, stocks of Snider ammunition, among others, being light. It is learned this week that the shortage does not extend to Montreal, as jobbers there are not only supplied with Snider cartridges, but Lamplough & McNaughton, who took over the rifles from the Government, still have a large stock of ammunition for them on hand, and can execute orders with promptitude.

KEEP YOUR RADIATORS CLEAN.

If you expect to obtain the full benefit of your heating system, your radiators should be kept clean, which not only lessens the consumption of your coal bin, but you get a more even distribution of heat, or warm air.

One of the latest inventions for this purpose is a radiator brush, made on a long handle, with about 10 inches of brush part, and made narrow, so as to fit in between the pipes or coils. There has been a large demand for an article of this kind by the general trade and public. The very prompt action of Boeckh Bros. & Company in coming to the front on such a short notice with a brush of this kind shows they are ever ready to meet the demands of the general public, and should receive the hearty support of the trade.

PERSONAL MENTION.

Mr. W. C. Gurney, 2nd vice-president of The Gurney Foundry Co., Limited, Toronto, leaves on Saturday, on the steamer Campana, for Europe.

Mr. Thos. G. Dexter, manager of H. S. Howland, Sons & Co., has been confined to his bed during the past week with rheumatism. He is improving, however.

PROFITS . . .



Only by selling good goods will you create a good reputation. A bad reputation is easy to get. A good local reputation means added capital to a business.

We are prosperous. We are building up a good reputation. We only sell good goods.

We want to sell you the '99 Goodrich-Resflex Single Tube, the '99 G. & J. Detachable, the Morgan & Wright Double Tube if you want a Double Tube.

You can get them on your sample wheels. Just ask to have them on. You'll see how they'll help to make your wheels go.

AMERICAN TIRE COMPANY, Limited

Manufacturers Goodrich-Resflex Single Tubes
and G. & J. Detachable tires.
Importers of Morgan & Wright Double Tubes.

166 KING STREET WEST,

TORONTO

“Tools, like bonds, are valued according to the names they bear.”



AND YOU CANNOT GO WRONG



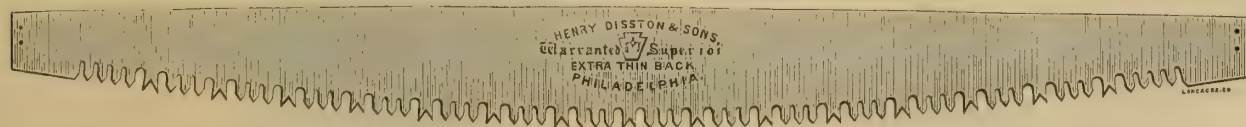
in buying a “Cross” Cut



Stamped HENRY DISSTON & SONS, Philadelphia



As they are made on honour, and everybody who has used them knows it.



For prices, etc., write

LEWIS BROS. & CO.

30 St. Sulpice Street

MONTREAL.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Dec. 9, 1898.

HARDWARE.

THE volume of business is not extensive this week, but no one is disappointed at the fact, for most of the houses here are commencing to take stock, and do not expect any activity until after the holiday season. What movement there is at present is confined to seasonable goods, particularly case and pocket cutlery and other small ware. Values generally are firm, in sympathy with the firm condition of the heavy iron and metal market.

BARB WIRE—Remains dull and unchanged at \$2 f.o.b. Montreal.

PLAIN WIRE—The same can be said of plain wire of all sorts, and discounts are unchanged.

WIRE NAILS—Orders are for smaller quantities, but are still fairly numerous. We quote \$1.70 to \$1.75.

CUT NAILS—Business in these is light, but prices are steady at \$1.75 f.o.b. Montreal, Toronto, Hamilton and London.

HORSE NAILS—Demand for these keeps up surprisingly well. Discounts are 50 per cent. on Standard, and 50 and 20 on Acadia brand.

HORSESHOES—There is still a fairly good inquiry for horseshoes. We quote: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35; toe weight, \$5.50.

SCREWS—Business continues fair. Discounts are: Flat head bright 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—Orders are still quite numerous. Discounts are as follows: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5; tire bolts, 70 and 5, and sleighshoe bolts, 80 per cent.

RIVETS—Quiet and steady. Discounts are: Iron, black and tinned, all sizes,

65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE—Dull, but steady. We quote: Sisal, 7-16 and up, 10c.; ¾, 10¼c.; 5-16 and ¼, 11c., and 3-16, 11¼c. Manilla was unchanged: 7-16, 11½c.; ¾, 12¼c.; 5-16 and ¼, 13c., and 3-16, 13¼c.

CHURNS—Much as last reported.

CLOTHES WRINGERS—Remain as described last week.

BELTING—A fair trade in a small way is noted, and prices are steady.

BUILDING PAPER—Quiet. We quote as follows: Tarred fibre, 45c.; dried ditto, 35c.; tarred sheathing, 30c.; dried, ditto, 25c.; tarred roofing, \$1.20.

HINGES—Steady: 6 to 12 inch, \$3.50 per 100 lb.; 14 inch, \$2.50; screen door, \$6.50 per gross, and T and strap, 70 and 10 per cent. off the list.

CUTLERY—A good seasonable inquiry is noted for cutlery.

WARE—Business is still moving in ware, especially enameled goods, in fair volume.

SPORTING GOODS—There is a fair demand for ammunition, and if any scarcity

Seasonable Goods.



Decorated { Enamelled Wares.

... Canadian Make.

A large assortment of

TEA and COFFEE POTS,
Sugar Bowls, Butter Dishes,
CUPS, PLATES and SAUCERS,
TOILET SETS, Etc.

Order early for your
Christmas Trade.

Perfection Kettles.

NICKEL
PLATED.

For Base Burners
Flat Bottom.

FOUR SIZES.

Nos. 4, 5, 6, 7.

Body made of one piece
with neat bent spout.
Handle made with rod in
one piece—cannot fall
apart.

Let us send you a
Sample of each size.



TURKEY TIME.

Famous { SELF BASTING

... Roasting Pan

THREE SIZES.

	Length	Width	Depth	List Price
No. 20	14	10	7	\$0.80
No. 30	18	11½	8	1.00
No. 40	18½	12½	9	1.20

Self Basting.

The condensed steam drips
from the Indented Cover, con-
tinually basting the contents of
pan.

Wire shoes on bottom of pan
prevent burning on the bottom.
No inside tray to collect dirt.

Easily Cleaned.
Properly Ventilated.



The McClary Manufacturing Company

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MONTREAL

WINNIPEG

VANCOUVER



The easiest galvanized iron to work is Apollo.

Uniform; you can depend on it.

Apollo Iron and Steel Company
Pittsburgh

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

ROLLING MILLS

.. MONTREAL

MERCHANT BAR IRON—

Best Refined	Bar Iron	AVB
"	Rivet Iron	AVB
"	Horseshoe Iron	
Ex. Best	Bar Iron	AXB
"	Rivet Iron	AXB
"	Stay Bolt Iron	AXB
"	Hammered Iron	AHB
"	Charcoal Iron	ACB

BRAND

Tyre, Sleigh Shoe,

Axe and Rivet STEEL.

CANADA IRON FURNACE CO.,

Manufacturers of Limited

CHARCOAL PIG IRON

MONTREAL.

✓ BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que.
Lac a lac Tortue.

Three Rivers.
Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

of Snider ammunition exists in the west, buyers can be supplied, on application, in this market.

CEMENT—Quiet and steady. We quote as follows: Belgian, \$1.85 to \$2.05; German, \$2.35 to \$2.50, and English, \$2.25 to \$2.35, with domestic \$1.95 to \$2.

FIREBRICKS—Nominal at \$16 to \$21 per 1,000, as to brand.

METALS.

The tone has not been so firm lately in heavy iron and metals, but no changes are noted here, while the movement is of the quiet character usual at this time of the year.

PIG IRON—Business almost nil, and prices largely nominal. We quote as follows: No. 1 Hamilton, \$15.25 to \$15.50; No. 2, \$14.75; Ferrona \$14.75 to \$15; Siemens, \$14.75 to \$15, and Summerlee and equal brands, \$18, ex wharf, and \$18.50 to \$19 ex yard.

BAR IRON—A quiet demand is noted, with prices steady at \$1.40 to \$1.45, as to quantity.

HOOPS AND BANDS—Very little business doing, and prices unchanged at \$1.75 to \$2.

SHEET STEEL—Dull. We quote: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50; 18 to 20, \$2.30; 22 to 24, \$2.45; 26, \$2.55, and 28, \$2.80.

SHEET IRON—The same applies to this line. We quote: \$2.10 on 10 to 16 gauge; \$1.80 on 18 to gauge; \$2 on 22 to 24 gauge; \$2.10 on 26 gauge, and \$2.15 on 28 gauge.

GALVANIZED IRON—Demand is noted for forward delivery. We quote: "Queen's Head," No. 28, \$4 to \$4.15; and "Comet," No. 28, \$3.75.

INGOT COPPER—Without change, and business quiet at 13c.

SHEET COPPER—As last reported: 16 oz., 16c., and 14-oz. 17c.; tinned copper, 16-oz., 18c.; 14-oz., 18½c., and planished 14-oz., 24c.

INGOT TIN—Firm outside, and the same on spot with trade quiet. We quote: Straits, 19c., and Lamb and Flag, 20c.

PIG LEAD—Very little business noted, while prices are steady at \$3.70 to \$3.80.

IRON PIPE—Less active. We quote as follows: Black pipe, ¼-inch, ⅜-inch, and ½-inch, \$2.35; ¾-inch, \$2.80; 1-inch, \$3.85; 1¼-inch, \$5; 1½-inch, \$6.70, and 2-inch, \$9. Galvanized, ½-inch, \$3.95; ¾-inch, \$4.80; 1-inch, \$6.65; 1¼-inch, \$9.15; 1½-inch, \$11.75, and 2-inch, \$16.

LEAD PIPE—Trade rather quieter. We quote as follows: Ordinary, 7c., and composition waste pipe, 7½c. Discount, 25 per cent.

CANADA PLATE—There is little doing in Canada plate. We quote as follows:

**IRON
STEEL
TINPLATES
WIRE, Etc.**

A. C. LESLIE & CO.

Importers

MONTREAL

Sanderson's Tool Steel in stock.

Cow Ties.

ALL KINDS

ALL SIZES

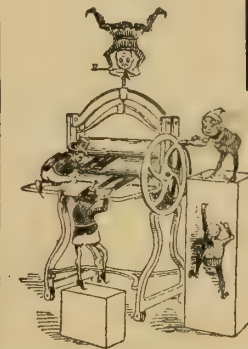
IN STOCK.

STALL FIXTURES.

The B. Greening Wire Co.

LIMITED

HAMILTON, ONTARIO.



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited

Cor. Bay and Murray Streets

HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

52's, \$2.15; 60's \$2.30; 75's, \$2.35; full polished, \$3; galvanized Canada plate, 52's, \$3.75.

TINPLATE—Business small, but values firm. We quote as follows: Coke, I. C., \$2.90 to \$3.25; charcoal, I. C., Allaway or Comet brands, \$3.25; do, I.X., \$4.10 to \$4.25; Lincoln, \$3.50; P.D. Crown, I.C., \$3.95; do. I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Quiet and nominal, at \$6 to \$6.25.

COIL CHAIN—Inquiry is for small lots. We quote as follows: $\frac{1}{4}$ -inch, \$4.75; 5-16, \$3.50; $\frac{3}{8}$, \$3.15; 7-16, \$3; $\frac{1}{2}$ -inch, \$2.80, and $\frac{5}{8}$ up, \$2.80.

SHEET ZINC—Demand less active, but values steady at $6\frac{1}{2}$ to $6\frac{3}{4}$ c.

SOLDER—Quiet and steady, at $12\frac{1}{4}$ c.

ANTIMONY—Dull and unchanged, at $9\frac{1}{4}$ to $9\frac{1}{2}$ c.

SPELTER—As last quoted. Vielle Montague at \$6 to \$6.25, and American at \$5.50 to \$5.85.

GLASS.

The window glass market has ruled quieter during the week, but values are firm. We quote as follows: First break, \$1.80; second, \$1.90 per 50 feet; first break per 100 feet, \$3.50; second, \$3.75; third, \$4; fourth, \$4.25; fifth, \$4.75; sixth, \$5.25, and seventh, \$5.75.

PAINTS AND OILS.

There is no change to note in the quotations current in this department. Business is practically at a standstill, and travelers have been recalled, factories running at their slowest, and business being limited to specialties.

WHITE LEAD—Best brands, Government standard, \$5.62 $\frac{1}{2}$; No. 1, \$5.25; No. 2, \$4.87 $\frac{1}{2}$; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, $4\frac{1}{4}$ c.; kegs, $4\frac{3}{4}$ c.; No. 1, casks, $4\frac{1}{4}$ c.; kegs, $4\frac{1}{2}$ c.

WHITE ZINC PAINT—Pure, 7c.; No. 1, $6\frac{1}{4}$ c.; No. 2, $5\frac{1}{2}$ c.

PUTTY—We quote: Bulk, \$1.65; bladders, in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 50c.; boiled, 53c., five to nine-barrels, 1c. less, ten to nineteen, 2c. less, and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 57c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at $8\frac{1}{4}$ to $8\frac{1}{2}$ c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as

to brand; coal tar, \$3 to \$3.50; cotton waste, $4\frac{1}{2}$ to $5\frac{1}{2}$ c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

HIDES.

Quiet, with prices nominal. We quote: Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3, 7c. Lambskins, 65 to 70c.

PETROLEUM.

There is a good movement in petroleum on local account. We quote as follows: "Crown Acme," the new Sarnia oil, is selling at 16c. in small quantities; Canadian refined, 14c.; American prime white, 17c.; water white, 18c.; Pratt's astral, $19\frac{1}{2}$ c.

MONTREAL NOTES.

Any one sending 10c. in stamps to Box 266, Montreal, and mentioning **HARDWARE AND METAL**, will receive by return mail, one of Boker's nickel-plated steel skate measures.

ONTARIO MARKETS.

TORONTO, Dec. 9, 1898.

HARDWARE.

THE wholesale hardware trade is keeping up remarkably well. Every day a falling off is expected, but every day the wholesalers are agreeably surprised. Letter orders are quite numerous, showing that the goods being purchased are wanted, to a great extent, for immediate use. One of the features of trade is the demand for snow shovels. It simply exceeds the ability of the manufacturers and wholesalers to supply. Sleigh bells, too, are in active demand. A nice lot of cutlery is going out. Quite a few skates are going out, but the demand cannot, perhaps, be termed active. A fair trade is still being done in wire nails. There is a firmer feeling in wire, although no change in price has taken place in Canada. In sporting goods, there is a fair amount of ammunition going out, and some shot guns, but rifles are not wanted.

BARB WIRE—Business continues dull. We quote as follows: Four point, \$1.80 f.o.b. Toronto and \$1.85 f.o.b. London; two point at \$1.90 f.o.b. Toronto. Terms, 30 days or 2 per cent. 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—Practically nothing doing. Discounts are as follows: Annealed, oiled and annealed, bright wire, coppered steel and spring, $37\frac{1}{2}$ per cent. discount off the list, with allowance of freight up to 20c. per 100 lb.; galvanized, 30 per cent.

WIRE NAILS—Business is being fairly well maintained. The base price Toronto, is \$1.75 for small quantities, lower figures ruling on large quantities.

CUT NAILS—The demand is still largely confined to the smaller sizes. The output

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for
Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and
Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

CAPITAL CITY BUSINESS COLLEGE.

A. M. Grimes, M.A., Principal.

Shorthand, Bookkeeping, Penman-hip Telegraphy, Business Correspondence and Proofreading. Pitman's or Munson's Shorthand, per month, \$4.00; White's Phonography, per month, \$8.00; Telegraphy, per month, \$8.00; Bookkeeping and Business Practice, per course, \$35.00; Bookkeeping and Business Practice, per month, \$5.00; Penmanship, per month, \$3.00; Night School, per month, \$3.00; Private Lessons, each, \$1.00. Address, A. M. GRIMES, Principal, Cor. Bank and Sparks Sts., Ottawa.

SPORTSMEN

NOTE

THE ABBEY IMPROVED CHILLED SHOT

NEWCASTLE, ENGLAND.

Is made by a NEW PROCESS, and is highly spoken of by Sportsmen and Sporting Papers. Kills at greater distance than Soft Shot. Gunmakers wishing repeat orders should load with this shot.

BELLEVILLE BUSINESS COLLEGE.

ESTABLISHED
1889.

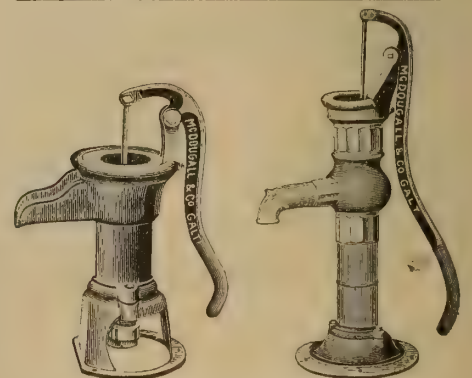
Students have a larger earning power who acquire the following lines of preparation under our efficient system of training. It has no superior.

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| 1. Bookkeeping, | 5. Telegraphy, Commercial |
| 2. Shorthand, | and Railway Work, |
| 3. Typewriting, | 5. Civil Service Options. |

Students may commence Telegraphing on the 1st of each month, and the other departments at any time.

Address:
Belleville, Ont

J. Frith Jeffers, M.A.
Principal.



Force
Lift
Cistern

Pumps

Iron or Brass.
One quality only,
The Best.

Prices Right.

The R. McDougall Co. Limited, Galt, Canada

of the factories last month was of a fair average character. Base price \$1.75, Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—The demand for these is active. Discounts are: Standard, oval head, 50 per cent. Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—A good business is being done at unchanged prices. We quote: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—A nice trade is still to be noted. Discounts are as follows: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—Trade is fair, but without any new features. We quote as follows: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¼c.; hexagon, 5¼c.

RIVETS AND BURRS—The usual trade is being done. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE—The demand is still dull, and, as the association in the United States has collapsed, and stocks of both sisal and manilla fibre are large, the market is weak. We quote: Sisal, 7-16 in. and larger, 10c.; ¾ in., 10c.; ¼ and 5-16 in., 10½c.; Manilla, 7-16 in. and larger, 11c.; ¾ in., 11½c.; ¼ and 5-16 in., 13c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8½c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—Business is fair. We quote as follows: Rope halters, ¾ in., \$8.25 to \$8.50 per gross; ½ in., \$9.25 to \$9.50; ¼ in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—Trade is fair. We quote delivered from stock in Ontario: No. 0,

The Serviceable Beauty

Of our

Metallic Ceilings and Walls

Appeals to all practical people.

This is the most popular interior finish used in Canada—made in countless artistic designs to suit any room of any building.

Easily applied (over plaster when necessary), fireproof and sanitary.

Just what people want—if you aren't prepared to sell, write at once for our new catalogue, and get full information and price lists.



Plate No. 229, sample design.

The METALLIC ROOFING CO., Limited

1179 King Street West, TORONTO

\$2.85; No. 1, \$3.05; No. 2, \$3.25; No. 3, \$3.60; No. 4, \$4.35; No. 5, \$5.75.

CLOTHES WRINGERS—Trade is moderate. We quote: "New Leader," "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BELTING—Trade keeps fair. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

BUILDING PAPER—Business keeps fair. We quote as follows: Plain building, 28 to 30c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.45 to \$1.50 for 10 oz. and \$1.50 to \$1.60 for 16 oz. per 100 lb.

LUMBERMEN'S SUPPLIES—The falling off in trade noted last week appears to have continued.

CEMENT—There is little doing. Stocks are more than sufficient to meet the demand, yet prices are steady. We quote in barrel lots as follows: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; Belgian do., \$2.50; Canadian hydraulic cements, \$1 to \$1.10; calcined plaster, \$1.90; asbestos cement \$2.50 per bbl.

CUTLERY—A good seasonable trade is reported.

SPORTING GOODS—There is a good demand for ammunition, and a few shot guns are going out, but there is practically nothing being done in rifles.

SNOW SHOVELS—The demand for these during the past week has been extraordinary, and in excess of the supply.

FURNACE SCOOPS—Trade in these keeps up well at \$6.60 per doz.

METALS.

The metal market is, on the whole, steady, as far as prices are concerned. The volume of business is light.

PIG IRON—There has been an inquiry for Nova Scotia iron, the buyers being willing to pay a good figure for the same, but the blast furnace people, on account of the volume of business, were unable to entertain the offer. No Nova Scotia pig iron has come to Western Ontario for about two years. The pig iron market generally is quiet and steady. We quote as follows: Hamilton iron on track Toronto at \$14.50 for No. 1; \$14 for No. 2, and \$13.50 for No. 3. United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80.

BAR IRON—Business is moderate. Base price \$1.45 from stock and \$1.35 from factory.

BAND IRON—Quiet. We quote: \$1.65 to \$1.75 per 100 lb. for Canadian and \$2 for imported.

SHEET STEEL—Very little doing. We quote: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28, \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Dull. We quote as follows: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to

24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—While the volume of business is still good, it has fallen off somewhat. We quote: Queen's Head, 16 gauge, \$3.75; 18 to 24, \$4; 26 gauge, \$4.25; 28 gauge, \$4.50. American makes, 16 gauge, \$3; 18 to 24, \$3.15; 26 gauge, \$3.40; 28 gauge, \$3.75. In "Queen's Head," less than case lots, are quoted 25c. per 100 lb. higher than above figures.

INGOT COPPER—The condition of the copper market is without material change. In New York, prices are largely nominal, and Wednesday's cables noted a rather easier feeling in London. Locally, prices are firm, and there has been a little more inclination to do business. We quote 13 to 13½c. per lb.

INGOT TIN—The market is firm. London cables are higher, and New York has stiffened in sympathy. Locally the market is firm and unchanged. We quote: Straits, 21c., and Lamb and Flag, 21½c.

PIG LEAD—There is scarcely anything doing, either locally or on the outside markets, and prices appear to have settled at the present low basis. Locally, 4c. is still quoted for imported.

LEAD PIPE—Business is moderate. We quote: Ordinary pipe, 7c., and composition waste, 7½c., with 25 per cent. discount.

IRON PIPE—The demand for iron pipe continues good. We quote: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.25 to \$2.30; ½ inch, \$2.30 to \$2.35; ¾ inch, \$2.80; 1 inch, \$3.95; 1¼ inch, \$5.20; 1½ inch, \$6.75; 2 inch, \$9.10. Galvanized, ½ inch, \$3.95; ¾ inch, \$4.80; 1 inch, \$6.75; 1¼ inch, \$9.15; 1½ inch, \$11.75; 2 inch, \$16.

RANGE BOILERS—A fair seasonable trade is being done. We quote: Galvanized, 30 gals. \$5.25; 35 gal., \$6; 40 gal., \$7; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES—The demand keeps fair, although it is now getting late in the season for these. We quote: All-bright, \$2.85 to \$3; half-polished, \$2.35; all-dull, \$2.25.

TINPLATES—Trade is just moderate. We quote: \$4.75 to \$5 for I.C.; \$6 to \$6.25 for I.X., and \$7.25 to \$7.50 for I.X.X.

COIL CHAIN—Not much doing. We quote: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ⅝ in., \$2.80; ¾ in., \$2.75.

SHEET ZINC—The market is steady as to price. The volume of business is moderate. We quote 7¼c. for cask lots and 7½c. for smaller lots.

ZINC SPELTER—Prices still rule steady. We quote 5¾ to 6c. per lb. for foreign.

SOLDER—There is just a moderate trade to report. We quote: Half-and-half, 13½ to 14c.; standard, 13 to 13½c.; wire, 13c.; wiping, 11½c.

PAINTS AND OILS.

There is little or nothing doing. Jobbers who are through stock-taking report that their books show the season to have been the best for many years. The prices of all staples continue firm. No change is noted or anticipated. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lb., \$4.75; ditto, No. 1, in casks of 560 lb., \$4.50; genuine, in kegs of 100 lb., \$5; ditto, in kegs of 100 lb., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lb.; 50c. per 100 lb. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 51c.; boiled, 1 to 4 barrels, 54c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 58c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

The demand is irregular. With the exception of orders for factories, greenhouses, etc., which were not closed in earlier, and for a few sizes from merchants who refrained from stocking, in hope of a break in prices,

especially of star sizes. The Toronto jobbing house is said to have found it necessary to secure a number of boxes from a local retailer. We quote: Star, first break in 50-foot boxes, \$1.80, and in 100-foot boxes, \$3.50; double diamond under 25 united inches, \$5.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL

The demand for all lines is good. Metals are particularly active. Heavy red scrap brass has advanced. Otherwise prices are unchanged. We quote as follows: Agricultural scrap, 40c. per cwt.; machinery cast, 52c. per cwt.; stove cast scrap, 30c.; No 1 wrought scrap, 40c. per 100 lb.; new light scrap copper, 8c. per lb.; bottoms, 8c.; heavy copper, 8¼ to 8½c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2¼c.; scrap rubber, 3½ to 4c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—No change in price. Market easy. We quote: No. 1, 8½c.; No. 2, 7½c.; No. 3, 6½c.; cured, 9c.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Shearlings and lambskins are firm at 80c.

WOOL—The market is dull at 15c. for fleece and 10c. for unwashed.

SEEDS.

There is little doing. The export demand has fallen off, and domestic trade has not yet opened up. Prices are steady. We

ILLINOIS CUTLERY CUTS!



No. 1 Bread Knife Set.

One each, Bread, Cake and Paring Knife, malleable handles firmly riveted to steel blades, will cut hot or cold bread without crumbs. Each set in paper box.

PAT. AUG. 15. 1893.



Combined Grater and Slaw Cutter.

The only one; slicer and grater are detachable; slicer sheet made of Apollo galvanized iron with steel cutting blades. It will slice cabbage apples, potatoes, cucumbers, onions, turnips, beets, and everything in the vegetable line. It is a time and labor saver; is used in the kitchen every day.



Famous Parer and Slicer.

Polished beech handle, nickel plated steel blade and ferrule, takes off an even peel, easily sharpened and cleaned. The best paring knife for potatoes, apples, pears, turnips, quinces and firm peaches. Write for our catalogue, Sole Canadian Agents, Squire, Watson & Co., Montreal, Canada; Chas. E. Santo, London, Canada.

ILLINOIS CUTLERY COMPANY,
Decatur, Ill., U. S. A.

there is nothing doing. Stocks are light, quote alsike at \$2.50 to \$4.50, with slightly more for strictly choice samples. Red clover is worth all the way from \$3 to \$4.50.

COAL.

There is a scarcity of small sizes. Sunday night's storm has interfered with securing supplies. Prices are unchanged. We quote anthracite at Buffalo bridges: Egg, nut and stove, \$4.25 and per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

PETROLEUM.

The demand keeps brisk. Prices are unchanged. We quote at Toronto: Canadian, 13½c; Sarnia water white, 15c; American water white, 16½c; Pratt's astral, 16c., in bulk.

MARKET NOTES.

Rice Lewis & Son, Limited, have just received another consignment of skates, and their stock is now again complete.

The retail skate trade in the city is particularly good, and far ahead of that of last year, indicating that the popularity of skating is increasing, rather than decreasing.

FANCY LINES FOR HARDWARE STORES.

Rice Lewis & Son, Limited, have in stock some lines suitable for the holiday trade that hardwaremen should inspect. There is a variety of individual fancy cutlery sets in fine leather cases which are quite attractive. Fancy shaving sets, included in which are razor, strop, and brush, and enclosed in handsome leather cases, should take well. Low-priced cutlery cabinets are also a feature with the firm, while there is a nice array of brass tea and hot-water kettles, brass gongs, and chafing-dishes being shown.


TO HARDEN A HAMMER.

Drive a piece of iron rod in the eye to hold the head by. Make full red hot. Lay rod on edge of slack-trough; harden the large end, then turn small end in water; watch for temper in face. Then the same to small end. When you have both ends right keep turning them in water until the middle is about black-hot; then cool off. Do not dip deep. The color will vary with different qualities (carbons?) of steel, and can only be determined by trial. With ordinary steel from brown to blue will be about the thing. Use clear water.—Lock.

Keep your stock fresh, buying frequently. Do not store goods in places where they are out of sight and soon forgotten, and thus avoid sending orders for things already in abundant supply. Inspect the stock frequently; turn it over, and keep it moving; and whenever an article is slow to sell remember that the first loss taken is almost sure to be smallest.

76,800 Daily Production.
5 Factories.
5 Brands.

For Sale all
over the world.



NICHOLSON

FILES

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited.

Established 1773

Manufacturers of POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS. Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 136 Paradise Street, Birmingham. Telegraphic Address: "Glass," St. Helens. Telephone No. 68 St. Helens.



In addition to our extensive line of Malleable Hooks we have a fine large stock of

Wrought Iron Gas Pipe, Soil Pipe and Plumbers' Hooks

These are the finest Wrought Hooks ever put on the market. Get our prices.

BERGER'S ORNAMENTAL PIPE STRAP

Is much better and neater than the old. SEND FOR SAMPLE.

BERGER BROS. CO.,

PHILADELPHIA.



Long Wear

The longer a Painter's Brush lasts the longer the painter remembers the dealer who sold him the brush — "quality counts"!

The Patent Bridle on Boeckhs' Painter's Brush ensures long life to the brush. It saves the bristles—enables the painter to clean the brush oftener (and easier) and keeps it generally in up-to-date condition.

And when the painter wants a NEW brush where is he going to buy it?—of YOU, of course, if you once sold him

Boeckhs' Bridled Brush for Painters.

BOECKH BROS. & COMPANY, Mfrs.
Toronto, Ont.

Montreal Branch,
1 and 3 DeBresoles St.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker
22 St. John Street, Montreal.

Representing British and American manufacturers of Tinplate, Tinned Sheets, Terne Plates, Canada Plates, Galvanized sheets, Imitation Russia Sheets, Black Sheets—Iron and Steel—Hoops and Bands, Proved Coil Chain, Brass and Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

FOR \$267.50 I will insert a fifty line advertisement twenty times in fourteen (14) of the best papers, in the 11 largest cities in Canada. A snap for Holiday and Winter Goods. All good mediums, representing a circulation of over 150,000 copies per issue. Write at once for details to THE E. DESBARATS ADVERTISING AGENCY, MONTREAL.



**Ontario Nut Works, Paris
BROWN & CO.**
Manufacturers of
All sizes of Hot Pressed
Nuts, Square and Hexagon

KNOX HENRY.
Heavy Hardware and Metal Broker
Room 220½ Board of Trade, MONTREAL.

SPECIALTIES—C Brand Horse Nails—Canada
Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—
Chalcraft Screw Co.

BRASS GOODS—Gunn Castor Co., Limited,
Birmingham, Eng.

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels Stocked
by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.

Agents for Canada

MONTREAL

ADAM HOPE & CO.

30 JOHN STREET

Hamilton

Offer for Prompt Shipment

CANADA PLATES

ALL BRIGHT, 18 X 24 and 18 X 21
HALF BRIGHT, " "

**Galvanized Iron,
Queen's Head and Juniata.**

**BOLTS STOVE
TIRE**

RIVETS OF ALL KINDS.

Montreal Agent—KNOX HENRY,
Board of Trade Bdg.

Toronto Agent—LOUIS HUFFMAN,
1634 King Street West.

**CHALCRAFT
SCREW CO.**
BRANTFORD, ONT.

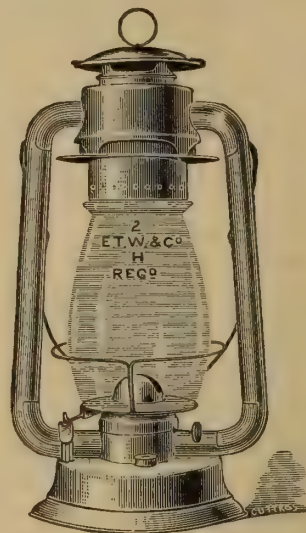
We are the Oldest and Largest Manufacturers of

**SCREWS and
BICYCLE PARTS**

in the Dominion. You know what that means, that if you
want proper goods at proper prices you should write us,
which please do if interested.

The...

John Morrow Machine Screw Co.
Ingersoll - Ontario.



The Best in the Market.

E. T. WRIGHT & CO.

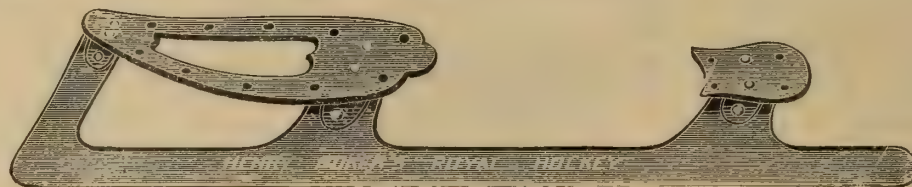
Hamilton,

Canada

Quality

Originality

Finish



From the first

**Henry Boker's
SKELETON AND SKATES
HOCKEY**

HAVE LED THE CANADIAN MARKET.

FOR SALE BY

Caverhill, Learmont & Co., Montreal

Rice Lewis & Son, Toronto

John Bowman Hardware and Coal Co., London

H. S. Howland, Sons & Co., Toronto

Wood, Vallance & Co., Hamilton

1899 PATTERNS OF LATEST DESIGNS.

ONE YEAR AHEAD OF THEM ALL.

The John Bowman Hardware and Coal Co.

LONDON, ONT.

We have received into stock full lines of 

**Wapacut and
Rodgers'**

BUTCHER KNIVES

We carry an immense stock of Cutlery of all leading makers for Christmas trade.

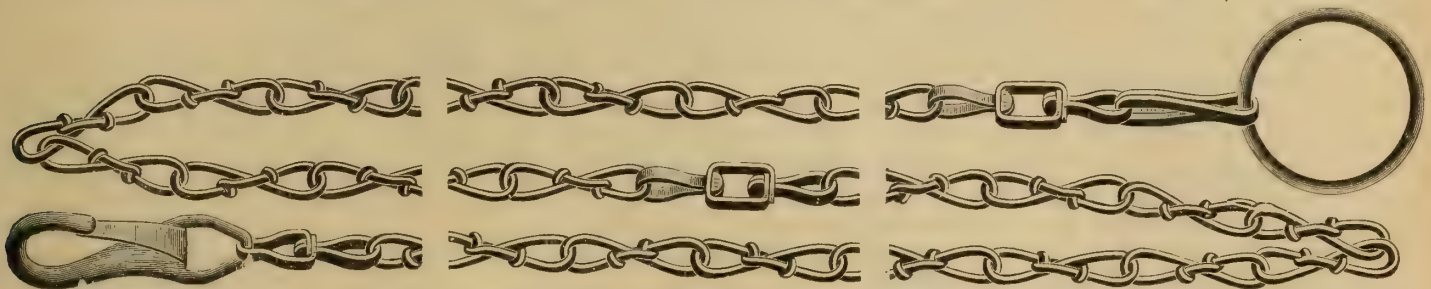
SEND US YOUR ORDERS.

PROMPT SHIPMENT.

PRICES RIGHT.

Oneida Steel Wire Tie-Out.

For tethering cattle in fenceless pastures.
Made in all sizes.



No Rivets. No Malleable Iron. ALL BESSEMER STEEL.

Made in 20, 30 and 50 ft. lengths.

ONEIDA COMMUNITY, Limited

NIAGARA FALLS, ONT.

ABOUT HORSE-NAILS:—

Two-thirds of one cent represents very fairly, the total amount a farrier will apparently save on the average cost of nails consumed in shoeing a horse, by using the cheapest grade, and lowest priced horse nails sold in Canada, as compared with the cost of the best obtainable, viz.: the old and reliable "C" brand.

A 25-lb. box of No. 8 "C" brand oval head horse nails contains about 2,500 nails, which quantity will be sufficient to shoe seventy-eight horses, allowing 32 nails to each full set of shoes. The farrier will receive at least one dollar and twenty-five cents as his charge for each set of shoes; in some localities more; the total value of his services for shoeing 78 horses, will therefore, at current rates, average about one hundred dollars; on this amount it is possible he can reduce the cost of material used by about fifty cents, in substituting a box of "cold process" or other cheap grade horse nails, which are made from American Steel Wire Rods. **This reduction in cost represents about two-thirds of one cent on each set of shoes; or one-half per cent. on the value of the work when done!** We believe if these facts were made known, that every intelligent farrier in Canada, who takes a pride in doing only the best work, would not hesitate to pay such a trifling advance as two-thirds of a cent for the "C" brand nails, which we claim are not only the best in Canada, but are not surpassed by any other maker in the world. We have made and sold horse nails exclusively in Canada for the last 33 years, always using the best quality of Swedish Charcoal Iron Nail Rods as our material, and by our process of manufacture producing as perfect a nail as possible in quality, pattern and finish. A reduction in cost of manufacture by using other than the best Swedish material, or the "hot-forged" process, is effected at the expense of quality. Our nails will be found easier to drive, to prove tougher, and hold the shoe on longer than others; therefore more economical to use. Every nail we sell you under the "C" brand is fully warranted to be perfect; therefore no risk in buying, nor trouble in selling them. It is false economy to purchase "cheap" nails; the best are always the cheapest.

You can do all your horse nail business with the "C" brand. Why keep two stocks on hand? When your orders are sent through any hardware merchant, always insist upon having our nails, and refuse all substitutes. If you cannot obtain the "C" brand, please advise us. Our name and brand is on each box of our manufacture; none otherwise are genuine. Prices and samples on application.

CANADA HORSE NAIL COMPANY
MONTREAL.

HEATING AND PLUMBING

RUMBLINGS.

By J. W. HUGHES.

A COMMON entry in a plumber's order book will read: "Mr. —, No. — street. Noise in kitchen boiler. Last man sent did not cure the trouble." To use a medical term, this sort of case requires to be diagnosed. The finding of the cause is, to a large extent, dependent upon a course of reasoning. The noise is there, sure enough, though not always the same kind of noise. Frequently it is a rumbling sound, sometimes it may be characterized as roaring, and again snapping and banging are the characteristic features. To find the cause sometimes requires careful study and reasoning, with a good deal of patient work thrown in. It may interest the readers of *The Metal Worker* to learn the particulars of three cases of the kind that have recently come under the notice of the writer.

Case No. 1. A case of hammering or snapping when the cold-water cocks were opened. This made it somewhat mysterious and unusual, and had it been the hot-water cock it would have seemed more reasonable, but that a noise should be made when the cold water was drawn was puzzling. It was an old trouble, two different firms of plumbers having tried to effect a cure and failed. The boiler was an ordinary copper boiler of 40 gallons capacity with three couplings on top, two them being used for the ordinary connections, the third being capped. I found the ordinary connections were all right, but on investigating the capped opening found extended from it down into the boiler a piece of lead pipe, which had evidently been put in at some time to serve as a dip pipe. When the cold water was drawn, for some reason that I cannot explain otherwise than that the opening of a cold-water cock reduced the pressure in the boiler, the end of the piece of lead pipe, which was bent so as to come close to the side of the boiler, vibrated and rapped against the side of the boiler, causing the rapping or hammering sound. It was considered a very stupid thing by the customer that so simple a trouble had not been found by those who had tried to effect a cure before I was called in. But the secret of the cause of their failure was easily explained. They took it for granted that the unused and capped coupling must be all right. No pipe was attached to it, and consequently no noise could come from it. The reasoning was good, but the facts were against the

reasoning. How the lead pipe got there, or for what reason it was left suspended in the boiler to cause mysterious rappings, dependent saith not, but its removal effected a cure.

Case No. 2 was a humming noise when hot-water cocks were opened, sometimes the humming being gentle and not very unpleasant, while at other times it was loud and annoying. The boiler had been in use a long time before there was any cause for complaint. A good deal of searching was required before it was found that the washer on a compression stop cock that was fitted to the cold-water supply to the boiler was the cause of the trouble. The washer had become thickened and expanded, and the opening of the hot-water cock caused a rush of water through the stop cock, setting up a vibration of the water, causing it to act like a reed, the copper boiler making a good sounding board. A new washer cured the trouble.

Case No. 3 was a complaint of a roaring noise. It was undoubtedly caused by running water, and a leak was, of course, suspected. None of the ball or other cocks were leaking. There was no sign of leaks from any of the pipes, and one of the conundrums so common to the business had to be faced. A cross-questioning of the customer brought out the fact that nothing had been done to the pipes. "Oh, no; nothing had been disturbed; everything had gone on as usual. Been living in the house for 12 years; had a few tools and always attended to minor repairs himself." And he certainly tried to locate the cause of the noise, for boxings were open and there were other indications that the plumber had only been called on as a last resort. But, in spite of the fact "that nothing had been disturbed," it turned out that a stop-cock under the floor, connected with a stable supply, had

recently been shut. It was a stop and waste with a rod attachment, and it had been turned the wrong way, and, there being no stop-pin in the cock, the pressure was on the waste and flowing full force. The old saw has it "that a man who is his own doctor has a fool for a patient." It sometimes turns out that a man who does his own plumbing is made to look foolish, when he finds out that he does not understand so simple a matter as shutting a cock.—*Metal Worker*.

PLUMBING AND HEATING NOTES.

Building permits have been issued in Toronto to The Wilson, Lytle, Badgerow Co. for a three-storey and basement vinegar factory on Front street near Spadina avenue to cost \$16,000. Gregg & Gregg are the architects.

PLUMBING AND HEATING CONTRACTS.

Guest & Co., Toronto, are fitting up a most elegantly fitted bath-room for Geo. H. Day, 213 Jarvis Street, Toronto. The floor and lower parts of the walls are to be tiled, and the bath-tub and wash-basin installed are of the finest make.

JOHN WATSON IS PRESIDENT.

The annual meeting of the Montreal Plumbers' Association was held on December 1, and reports from all officers were read and approved.

The election of officers was postponed until the 15th inst., although John Watson, Westmount, was unanimously elected president.

A POPULAR SKATE.

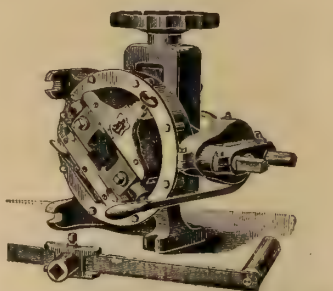
Messrs. Boker are fast attaining a reputation as standard skate makers. Among the first to introduce skeleton skates on the Canadian market, they have not rested content with past success, but are always on the watch for any new improvements, both in style and patterns, and any suggested improvements are carefully looked into, and, if found practicable, are at once adopted.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.



New No. 0 Threading Machine.

THE ARMSTRONG MFG. CO.

New York Office,
139 Centre Street

Bridgeport, Conn.

THE ..
DOMINION RADIATOR COMPANY

LIMITED

Dealers
 in the most complete line of

Steamfitters' Specialties

HEAD OFFICE and WORKS:

340 to 376 Dufferin Street

TORONTO, ONT.

Steam Traps, Separators
 Wrought Iron Pipe
 Cast and Malleable Fittings
 Also Galvanized Pipe and Fittings
 Brass and Iron Body Valves, etc.

FOX

All-Steel Sash Pulleys

THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.

THEY can be applied quicker than any other Pulley.

THEY are cheap, strong and durable.

**NO NAILS
 JUST BORE**

**NO SCREWS
 FOUR HOLES**

AIKENHEAD HARDWARE CO.
 Toronto.

T. L. Paton.

30 St. Francois Xavier St., MONTREAL.
 Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
 H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
 Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
 Wholesale trade only.

IRON PIPE and FITTINGS

Valves and appliances for

STEAM and HOT WATER HEATING.

THE JAS. MORRISON BRASS MFG. CO.
 TORONTO Limited

We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and
 Copper Finish.

ALL SIZES IN STOCK. SEND
 FOR PRICES.

H. R. IVES & CO., Montreal.

FACTS About Horse-Nails.

We never depreciate the quality of our competitors' goods.

WE DO SAY

That "Monarch" Horse-Nails are made from the best quality of Swedish stock. Are the safest to use, the best to drive, and will hold the shoes on longer and tighter than any other nail made in Canada. This is a strong statement, but testimonials from blacksmiths, which we are constantly receiving, confirm it in every particular.

A PENNY SAVED, IS A PENNY EARNED.

Two-thirds of one cent on each set of shoes is fifty cents on each box of twenty-five pounds of nails.
 We are always pleased to quote prices and send samples, and it will pay you to write us before purchasing.

MARITIME NAIL COMPANY, Limited
 ST. JOHN, N. B.

FAIRBANKS { PERSONAL POSTAL PACKAGE } SCALES.

These three varieties of Scales will prove most acceptable for Christmas Gifts.

We have just issued an attractive circular of Physicians' Scales, both personal and for prescription use, and will send to any hardware dealer on application.

Just call these to the attention of the doctors in your city.

The Fairbanks Company, 749 Craig Street, *Montreal*

Standard Steel Toe Calks



WRITE
FOR
DISCOUNTS.



Sizes—No. 0 to 7, $1\frac{1}{2}$ to 3 inches. Price \$1.00 Per Box of 25 lbs.
in Bulk, or 24 lbs. in 4 lb. Packages.

Sizes—No. 0 to 5, $1\frac{1}{2}$ to $2\frac{3}{4}$ inches. Price \$1.25 Per Box of 25 lbs.
in Bulk, or 24 lbs. in 4 lb. Packages.

JAMES PENDER & CO., Limited, - **Saint John, N. B., Canada.**

ACETYLENE GAS FITTINGS

We have the largest supply in Canada on hand of

Pipe, Fittings,

For Acetylene Gas

Brackets,

Get us to quote you

Burners, Etc.

Mechanics Supply Co.

96 St. Peter Street

QUEBEC

22-24 St. James St.

1899. 20TH YEAR

Rambler**GORMULLY & JEFFERY
MFG. CO., CHICAGO****Bicycles**

Seven Different Models

30-inch WHEELS

\$55.00

28-inch WHEELS

\$50.00

TANDEMS

\$85.00**IDEAL****SHELBY CYCLE MFG. CO.
SHELBY, OHIO****Bicycles**

Twelve Models

JUVENILES

\$25.00 to \$30.00

28-inch WHEELS

\$35.00 \$40.00 \$45.00

Rambler and Ideal Bicycles make the best and most complete line for country agents to handle. Our travellers are now on the road with samples. Drop us a card, if you wish to be called on.

BERTRAM, WILSON & Co.

Sole Agents for
Ontario, Quebec and
The Maritime Provinces.

53 Yonge Street

TORONTO.

BERTRAM, WILSON & CO.

TORONTO

Iron, Steel and Heavy Hardware**Lumbering****Mining and****Railroading Supplies**

Specially Low Prices on

AXES**CROSSCUT SAWS****FILES and RASPS****53 Yonge St.,****TORONTO, ONT.****CORDAGE . .**

ALL KINDS AND FOR ALL PURPOSES.

Manilla Rope

Sisal Rope

Jute Rope

Russian Rope

Marline

Houseline

Hambroline

Clotheslines

Tarred Hemp Rope

White Hemp Rope

Bolt Rope

Hide Rope

Halyards

Deep Sealine

Ratline

Plow Lines

Lathyrn

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Bale Rope

Lariat Rope

Hemp Packing

Italian Packing

Jute Packing

Drilling Cables and

Spunyarn

Pulp Cord

Lobster Marline

Paper Cord

Cheese Cord

Hay Rope

Fish Cord

Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
Orders will not be accepted for second quality or "mixed" goods.

CONSUMERS CORDAGE COMPANY, Limited

WM. B. STEWART, Agent, 20 Front St. E., TORONTO.

Montreal, Que.

TEL. 94.

B. J. COGLIN

Hardware, Iron and Steel Merchant, Railway and Contractors' Supplies.

MANUFACTURER OF—

CARRIAGE, WAGON SPRINGS and AXLES, RAILWAY SPRINGS and SPIRAL SPRINGS of every description.

A large stock always on hand.

Office and Warehouse, 432, 434 and 436 St. Paul St., MONTREAL.

Works, Montreal Spring and Axle Works, HOCHELAGA. (52)

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

... TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

**VanTuyl & Fairbank**

Petrolia, Ont.

Headquarters for...

Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.

PARIS ELECTRO PLATING CO.

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings
Piano Stool Feet, Novelties, etc. Bicycle Work
a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.

We have added a large moulding shop to our establishment, and are making a specialty of fine castings.

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.

The Portland Rolling Mills Co., Limited

Manufacturers of

Refined Bar Iron

Railway Spikes

Pressed Spikes

Nails and Tacks

"Diamond" Brand Horse Shoes

ST. JOHN, N.B.

**"JARDINE"
TIRE UPSETTERS
WILL UPSET TIRES**

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

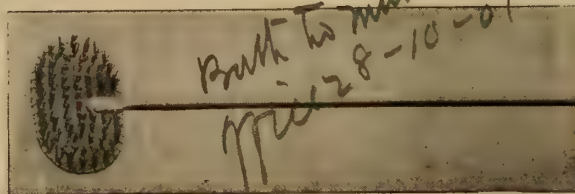
A. B. JARDINE & CO.
HESPELER, ONT.



Gives universal satisfaction. Every blade stamped with our name or trade mark we guarantee to be made of the best steel.

E. F. WALTER & CO.
MONTREAL

NOW is the time to
lay in a stock of...

CHAMPION FURNACE BRUSHES

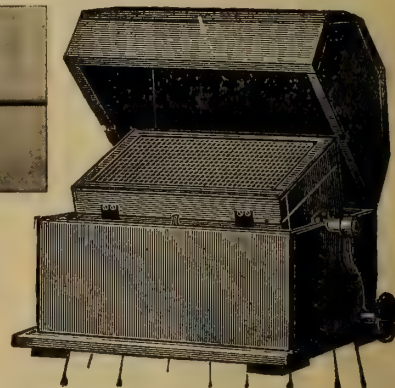
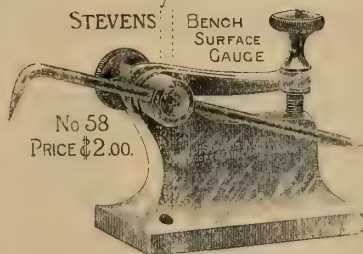
Steel Block—Steel Brush—Steel Handle—ALL STEEL.

Also of... **Champion Cinder Sifters**

The best sifter in the market. No dust—easy to work. Never gets out of order, and cleans cinders perfectly. Send for prices.

MEAKINS & CO.

313 St. Paul Street, MONTREAL

**STEVENS ...FINE TOOLS**

We make a perfect line
of

CALIPERS and DIVIDERS

Also such tools as Surface Gauges, Tool
Makers' Clamps, Center Punches, etc.

Write for our New Catalogue containing a description of our Tools. It is also a valuable hand-book of information for mechanics and people interested in such lines.

J. Stevens Arms & Tool Co.

P.O. Box 216.

Chicopee Falls, Mass, U.S.A.

Carried by our representatives at Toronto and Montreal.



Manufacturers of

Cotton, Jute, Hemp and Flax
Twines and Cordage
Mill Banding and Driving Ropes
Chalk and Fishing Lines
Seine Twine, Hammocks, Tennis
Cricket and Fly Nets
Cotton Rope and Clothes Lines
Plough Lines, etc.

HUTCHISON, SHURLY & DERRETT

1078 BLOOR STREET WEST, TORONTO.

UNION HOCKEY SKATES



These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH**, which is guaranteed. **WEIGHT**, which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT** and **HANG** for ease of stroke and cutting corners.



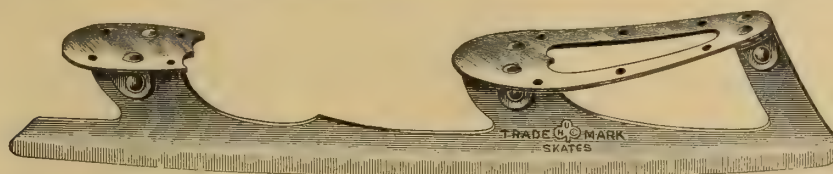
Plain Runner, Straight.



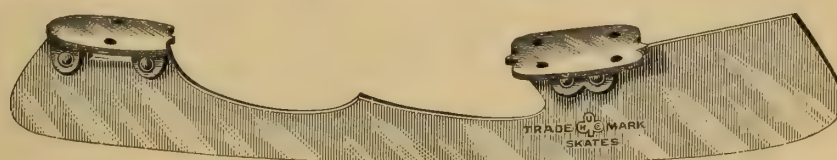
Plain Runner, Curved Blade.



Ribbed Runner.

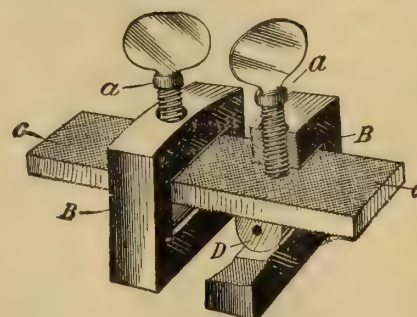


Ribbed Runner, Curved or Rocker Blade, for Ladies.



Victoria Club Skates.

UNION SKATE SHARPENER



UNION CLUB SKATES

THESE
PATTERNS
MADE IN
ALL VARIETIES
OF FINISH AND
QUALITY

THE LARGEST
AND MOST COMPLETE
LINE ON THE MARKET

Write for circular for full information for importing or we will tell you where they may be obtained in Canada.

UNION HARDWARE CO.

New York Office:

95 Chambers Street

TORRINGTON, CONN., U.S.A.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
 Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
 Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent.
 Amer.
 Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
 Shot.
 Can. Man, common, 7½ per cent.
 Brass Shot Shells, 55 and 10 per cent.
 Primers, Dom., 30 per cent.
 Wads.

Best thick white felt wadding, in ½-lb bags, 1 00
 Best thick brown or grey felt wads, in ½ lb. bags, 0 70
 Best thick white card wads, in boxes of 500 each, 12 and smaller gauges 0 99
 Best thick white card wads, in boxes of 500 each, 10 gauge, 0 35
 Best thick white card wads, in boxes of 500 each, 8 gauge, 0 55
 Thin card wads in boxes of 1,000 each, 12 and smaller gauges, 0 20
 Thin card wads, in boxes of 1,000 each, 10 gauge, 0 25
 Thin card wads in boxes of 1,000 each, 8 gauge, 0 25
 Chemically prepared black edge grey cloth wads, in boxes of 250 each— Per M.
 11 and smaller gauge, 0 60
 9 and 10 gauges, 0 70
 7 and 8 gauges, 0 90
 5 and 6 gauges, 1 10
 Superior chemically prepared pink edge, best, white cloth wads, in boxes of 250 each—
 11 and smaller gauge, 1 15
 9 and 10 gauges, 1 40
 7 and 8 gauges, 1 65
 5 and 6 gauges, 1 90

Anvils.
 Per lb. 0 10 0 12½
 Anvil and Vice combined, 4 50
 each, 4 50
 Wilkinson & Co.'s Anvils, lb. 09 0 09½
 Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
 Gilmour's, discount 65 p.c. off revised list.
 Hollow Stearn's, per dozen, 13 00 20 00
 Adjustable Stearn's, each, 4 50 6 50
 Post-hole, Vaughan's, each, 60 90
 Excelsior, Jennings', discount 50 per cent.

Awls.
 Sewing, per gross, 0 65 1 59
 Pegging, " 0 65 1 25
 Brad, " 0 85 1 60
 " handled, per gross, 3 60 30
 Saddler's, per gross, 0 45 1 60

Awl Hafts.
 Patent Peg, per gross, 7 25 8 00
 " Sewing, per gross, 8 00

Awl and Tool Sets.
 Millar's Falls, per doz., 2 80 3 30

AXES.
 Splitting Axes, 5 25 5 50
 Chopping Axes—
 Single List, per doz., 6 00 12 00
 Double List, 11 00 18 00
 Bench Axes, 40 and 10 p.c.

Axle Grease.
 Per gross, 6 00 13 00

Bath Tubs.
 Zinc, discount, 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list. Boxings extra.

Anti-Friction Metal.
 "Tandem" A, per lb., 0 19
 " " " " " " 0 16
 " " " " " " 0 10½
 " " " " " " 0 21
 " " " " " " 0 15
 " " " " " " 0 10
 " " " " " " 0 08½
 Magnolia Anti-Friction Metal, per lb., 0 25
 No Name Metal, " 0 15
 Mystic Metal, " 0 10
 F. O. B. New York or Chicago.

Bells.
 Hand.
 Brass, 60 per cent.
 Nickel, 55 per cent.

Door.
 Gongs Sargent's, 5 50 8 00
 " Peterboro', discount 50 per cent.

Cow.
 American make, discount 66½ per cent.
 Canadian, discount 45 and 50 per cent.
 Farm.
 American, each, 1 25 3 00
 American, per, 0 35 0 40

Bellows.
 Hand, per doz., 3 35 4 75
 Moulders', per doz., 7 50 10 00
 Blacksmiths', discount 60 per cent.

Belting.
 Extra, 5½ per cent.
 Standard, 5 and 10 to 50, 10 and 5 per cent.
 Agricultural, 6 and 10 p.c.

Bench Stops.
 Per doz, 5 00 6 00

Bits.
 Anger.
 Gilmour's, discount 65 and 5 per cent.
 Excelsior, discount 60 per cent.
 Rockford Consumer, 70 to 79 and 10 per cent.
 " Perfection, 50 and 10 per cent.
 Jennings' Gen., net list to 5 p.c. discount.
 Car.
 Gilmour's, 47½ to 50 per cent.

Expansive.
 Clark's 40 per cent.
 Excelsior, 10 per cent.
 Gimlet.
 Clark's, per doz, 0 65 0 90
 Diamond, Shell, per doz., 1 00 1 50
 Nail and Spike per gross, 2 25 5 20

Blind Rollers.
 Annex, per doz, 1 25 1 75
 Mascott, " 1 35 1 85
 Ernie, " 1 00 0 90

Blind and Bed Staples.
 All sizes, per lb, 7½ 0 12

Boils.
 Carriage, dis., 60 and 10 to 70 p.c.
 Tire, dis., 70 and 5 per cent.
 Stove dis., 70 per cent.
 Elevator, dis., 45 to 40 per cent
 Machine, dis., 70 p.c.
 Coach Screws, dis. 70 and 10 p.c.
 Plough bolts, 60 p.c.

Boring Machines.
 Complete, with augers, each, 5 00 7 50

Braces.
 Barbe, 6 00 7 75
 Barber's Ratchet, 10 00 11 00
 Farmers, 2 00 2 75
 Millar's Falls, 15 50 29 00

Brackets.
 Shelf.
 Japanned Canadian, per doz, 0 50 3 40
 pairs, 0 85 3 40
 Berlin Bronze Canadian, 0 85 3 20

Broilers.
 Light, dis. 65 to 67½ per cent.
 Reversible, dis., 65 to 67½ per cent.
 Vegetable, per doz., dis. 37½ per cent.
 Henis, No. 8, " 6 00
 Henis, No. 9, " 7 00
 Queen City, " 7 50 0 00

Butchers' Cleavers.
 German, per doz., 6 00 11 00
 American, per doz., 12 00 20 00

Building Paper, Etc.
 "Domion Brand" Saturated Felt, per 10-lb., \$1 40
 Dry, Good Luck, per roll, 0 40
 Tar and Good Luck, per roll, 0 10
 "Shield Brand," Dry, per roll, 0 27
 " " Tarred, per roll, 0 35
 Coal Tar, per barr, 3 75
 Pitch, per 10-lb., 0 60

Butts.
 Brass.
 Wrought Brass, dis., 17½ p.c. revised list.

Cast Iron.
 Loose Pin, dis. 70 per cent.

Wrought Steel.
 Fast Joint, dis. 70, 10 and 5 to 75 p.c.
 Loose Pins, dis. 70, 10 and 5 to 75 p.c.
 Berlin Bronzed, dis. 70, 70 and 5 per cent.
 Gen. Bronzed, per pair, 0 40 0 65

Can Openers.
 Acme, per gross, 9 00 10 00
 Sardine Scissors, per doz, 3 75 4 50

Card.
 Horse, per doz., 0 60 1 00

Carpet Stretchers.
 American, per doz, 1 00 1 50
 Bullards, per doz, 6 50

Carpet Sweepers.
 Bissell, per doz, 22 50
 World, " 21 75
 Daisy, " 24 00
 Star, " 14 00
 Crown Jewel, per doz., 29 00
 Grand Rapids, " 24 00 33 00

Cartridges.
 (See Ammunition.)

Castors.
 Red, new list, dis. 55 to 57½ per cent.
 Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
 Nos 31 and 32, per gross, 8 50 50

Cement.
 Canadian, Portland, 2 50
 English, " 2 85
 Belgium, " 2 75
 Canadian hydraulic, 1 20
 Figures are for barrel lots.

Chalk.
 Carpenters Colored, per gross, 0 45 0 75
 White lump, per cwt, 0 60 0 65
 Red, " 0 05 0 06
 Crayon, per gross, 0 14 0 18

Chisels.
 Socket, Framing and Firmer.
 American, dis. 75 per cent.
 Canadian, dis. 40 and 5 per cent.
 Tanged firmer, per dc, 0 85 4 00

Churns.
 Delivered from stock in Ontario: No. 0, \$2 85
 No. 1, \$3.3—No. 2, \$3.75—No. 3, \$3.60—No. 4, \$4.45—No. 5, \$5.75
 Montreal: No. 0, \$3.05—No. 1, \$3.25—No. 2, \$3.45—No. 3, \$3.80—No. 4, \$4.15—No. 5, \$5.05.

Clamps.
 Fudds', dis. 20 per cent.
 Stearn's, per doz, 3 00 10 00

Clips.
 Axle dis. 65 per cent.

Closets.
 Washout, plain, 3 25
 " embossed, 3 50

Coffee Mills.
 Box, 3 60 13 00
 Side, 3 60 4 00
 Enterprise, No. 0, 1 35
 " No. 2, 70

Compasses, Dividers, Etc.
 American, dis. 62½ to 65 per cent

Cradles, Grain.
 Canadian, dis. 20 per cent.

Dies.
 Hart Mfg. Co. (pipe es), (Amer. list), dis 40 per cent.
 Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
 Torrey's Rod, per doz., (15 p.c.) 2 00
 Coil, per doz, 0 88 1 60
 English perdoz., 2 00 4 00

Draw Knives.
 American, dis. 70 and 10 per cent.
 Canadian, dis. 25, 50 and 10 per cent.

Drills.
 Hand and Breast
 Millar Falls, per doz., 16 00 51 50
 P. S. & W., dis. 40 per cent.

DRILL BIT.
 orae, dis. 37½ to 40 per cent.
 Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
 Stovepipe.
 Per doz, 85 1 70

FAWCETS.
 Cork Lined, per doz., 0 30 0 35
 Wine, per doz., 1 30 3 25
 Star, " 2 80 3 90
 Feun's Corkstops, No. 2, per dozen, 1 70
 Petroleum, per doz., 4 50 6 50

FILES.
 Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
 Black Diamond, 50 and 10 to 60 per cent.
 Kearney & Foute, 60 and 10 per cent. to 60, 10, 10.

FLUTING MACHINES.
 Each, 0 60 2 00

FORKS.
 Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS.
 Ice Cream.
 Gem from \$1.25 to \$7 net.
 White Mountain, 1 to 25 qt., 1 35 13 50
 Arctic, dis. 50 p.c.

FRUIT PRESSES.
 Henis', per doz., 3 25 3 50
 Shepard's Queen City, dis. 15 per cent.

FRY PANS.
 Acme, dis. 65 to 67½ per cent.

GAUGES.
 Marking, Mortise, Etc.
 Stanley's, dis. 50 to 55 per cent.

Wire Gauges.
 Winn's, Nos. 26 to 33, each, 1 65 2 40

GLASS.
 Window.
 Box Price.

Star.
 Double Diamond.
 Per 50 ft. Per 100 ft. Per 100 ft.
 Under 25, 1 80 3 50 5 50
 26 to 40, 1 95 3 80 6 00
 41 to 50, 4 21 6 75
 51 to 60, 4 50 8 00
 61 to 70, 4 80 8 75
 71 to 80, 5 20 9 75
 81 to 85, 5 80 10 75
 86 to 91, 6 81 13 10
 91 to 95, 14 75
 96 to 100, 16 75
 101 to 105, 18 75
 106 to 110, 22 75

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HANDLES.
 Axe, per doz., net, 1 50 2 60
 Store door, per doz., 1 00 1 50
 Chest, per doz. pairs, 0 40 2 50

Chisel.
 Firer, per gross, 3 00 4 50
 Socket Firmer, per gross, 3 25 8 00
 Socket Framing, per gross, 3 75 5 00

Fork.
 C. & B., dis. 45 per cent. rev. list.

Hoe.
 C. & B., dis. 45 per cent. rev. list.

Saw.
 American, per doz., 1 00 25

Plane.
 American, per gross, 3 1

Hammer and Hatchet.
 Canadian, 45 per cent.

Cross-Cut Saw.
 Canadian, per pair, 0 13½ 0 20

HANGERS.
 Door, 4 and 5 inch, per pair, 0 40 0 50
 Lanes, 6½ per cent.

HATCHETS.
 Canadian, dis. 40 to 42½ per cent

HINGES.
 Blind, Parker's, dis. 60 and 10 to 65 per cent
 " Shepard's Noiseless, dis. 60 per cent.
 " Buffalo, dis. 60 to 70 p.c.

Light T and strap, 70 and 10 p.c.
 Heavy, per lb, 0 03½ 0 04½
 Screw hook and hinge—
 6 to 12 in., per 100 lbs., 3 15
 14 in. up, per 100 lbs., 2 35

Per doz. set.
 Screw, Eureka, 1 13 1 80
 Gate, Clark's, 1 50 2 20
 " Shepard's, dis. 50 to 60 per cent.

Per gro. pair.
 Spring, " Shepard's Samson, 9 50 1 20

HOES.
 Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
 Planter, per doz., 4 00

HOOKS.
 Cast Iron.
 Bird Cage, per doz, 0 50 1 10
 Clothes Line, per doz, 0 27 0 63
 Harness, per doz, 0 72 0 88
 Hat and Coat, per gross, 1 00 3 00
 Chandelier, per doz, 0 50 1 00

Wrought Iron.
 Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
 Hat and coat, dis. 60 to 60 and 10 p.c.
 Belt, per 1,000, 0 60 0 70
 Screw, bright, dis. 65 and 10 per cent

HORSE NAILS.
 "C" brand, 50 p.c. dis. } Oval head.
 "M" brand, 50 p.c. }
 "P. B.", dis. 50 p.c. }
 "Acadian, 50 and 20 p.c., countersunk head

HORSE SHOES.
 F.O.B. F.O.B.
 Iron Shoes. Montreal Tor into

Light medium, and heavy..
 Snow shoes, 3 15 3 25
 Steel Shoes, 3 40 3 50

***Al o Hamilton, London, Guelph, St. John. Halifax.**

ICE PICKS.
 Star, per doz., 3 00 3 25

KETTLES.
 Brass spun, 7½ p.c. dis. off new list.
 Copper, per lb., 0 30 35
 American, 60 and 10 to 65 and 5 p.c.

KEYS.
 Lock, Can., dis. 50 p.c.
 Cabinet, trunk, and padlock, Am. per gross, 1 60

KNOBS.
 Door, japanned and N.P., per doz., 0 90
 Bronze, Berlin, per doz., 2 75 3 25
 Bronze Genuine, 6 00 9 00
 Shutter, porcelain, F. & L. screw per gross, 1 30 4 00

KNIVES.
 Clauss, bread, cake, and paring knives, \$7.00 doz. sets net, to 10 per cent.
 Christie, bread, cake, and paring knives, \$7.00 doz sets with 10 p.c. off.
 Hay knives, spear point, L or T handle, 60 10 and 5 per cent.
 Lightning, per doz., 6 50 8 40
 Heath's, \$7.75 net.

LADLES.
 Melting, per doz., 1 70 4 50

LEMON SQUEEZERS.
 Porcelain lined, per doz., 2 20 5 60
 Galvanized, " 1 87 3 85
 King, wood, " 2 75 2 90

King, glass, "	4 00	4 50
All glass	1 20	1 30

LINES.

Fish, per gross	1 05	2 50
Chalk	1 90	7 40

LOCKS.

Canadian, dis. 50 p.c.		
Russell & Erwin, per oz....	1 75	7 50
Cabinet,		
Eagle, dis. 30 p.c.		

Padlock.

English and Am., per doz....	50	6 00
Scandinavian, "	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.

Iron and Brass.

Flat head, discount 25 p.c.		
Round Head, discount 20 p.c.		

MALLET.

Tinsmith's, per doz	1 25	1 50
Carpenter's, hickory, per doz.	1 25	3 75
Lignum Vitae, per doz	3 85	5 00
Caulking, each	1 60	

MATTOCKS.

Canadian, per doz	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.

American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.

American, per doz	0 42	2 35
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MOLASSES GATES.

Stebbia's Patent, dis. pre cent., 77½ per cent.		
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NAILS.

Quotations are:	Cut.	Wire.
2d. and 3d.	\$2 75	\$2 75
3d.	2 40	2 41
4d.	2 15	2 15
5d.	2 05	2 05
6d.	1 90	1 90
8 and 10d.	1 85	1 85
10 and 12d.	1 85	1 85
16 and 20d.	1 85	1 85
30, 40, 50 and 60d. (base)....	1 75	1 75

Steel Cut Nails 10c. extra.
Brads and finishing nails, special sizes, 80 p.c. from new list.

NAIL PULLERS.

German and American	1 85	3 50
---------------------------	------	------

NAIL SETS.

Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.

Poultry, 67½ per cent. for imported, 55 per cent. for McMullen's.		
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OIL.

Canada refined oil (Toronto) ..	0 14	
Carbon safety "	0 16½	
American w. w. "	0 17½	
Pratt's Astral	0 17	

OILERS.

McClary's Model galvan. oil can, with pump, 5 gal., per doz.	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.	1 25	3 50
Brass, "	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.

Galvanized, per doz	1 85	3 00
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PENCILS.

Dixon's, per gross	1 00	4 25
Carpenter	2 25	3 60

PICKS.

Per doz	6 00	9 00
---------------	------	------

PICTURE NAILS.

Porcelain head, per gross....	1 40	3 00
Brass head, "	0 40	1 00

PIPE CUTTING MACHINERY

Forbes Patent Die Stocks.—Curtis & Curtis, Mfrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to 2 in. R. & L.	\$ 50 00	
No. 38 Hand Machine, range 1½ to 4 "	100 00	
No. 56 Hand Machine, range 2½ to 6 "	175 00	

PLANES.

Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.		
Wood, fancy Canadian or American, 37½ to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.		
Viscousness, dis. 25 to 27½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.

English, per doz	2 00	5
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PLIERS AND NIPPERS.

Button's Genuine, per doz pairs, dis. 37½ 40 p.c.		
Button's Imitation, per doz.	5 00	9 00
German, per doz	0 60	2 60

RUMBS AND LEVELS.

S. R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		
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POPPERS.

Corn, square, per doz	1 35	2 00
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PRUNING SHEARS.

Per doz	4 00	5 50
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PULLEYS.

Hothouse, per doz	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS.

Canadian cistern	1 40	2 25
Canadian pitcher spout....	1 15	2 00

PUNCHES.

Saddlers', per doz	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set	0 00	0 72
" hollow, per inch....	0 00	1 00

RAIL.

Barn door, per foot	0 02½	0 02½
Sliding door, "	0 03½	0 03½
Lanes, "	0 02½	

RAKES.

Cast steel and malleable Canadian, list dis. 60 to 60, 10 and 5 p.c. revised list.		
Wood, 25 per cent.		

RASPS AND HORSE RASPS.
New Nicholson horse rasp, discount 60 p.c.
Globe File Co.'s rasps, 6J and 10 to 70 p.c.
Toronto File Co.'s rasps, 60 and 10 to 70 p.c.
Heller's Horse rasps, 5J to 50 and 5 p.c.

RAZORS.

Geo. Butler & Co.'s, per doz.	8 00	18 00
Bokers', "	7 50	11 00
Wade & Butcher's, "	3 60	10
Arbenz's, "	9 00	18
Theile & Quack's, "	7 00	12

RAZOR STROPS.

Currier's, per doz	1 25	3 60
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RIVETS AND BURRS.

Carriage, Section, Wagon Box Rivets, etc., (Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc., (Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and p.c.		
Copper Rivets & Burrs, 45 p.c. dia. in ½-lb. boxes and cartons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.

Canadian, dis. 35 to 37½ per cent.		
------------------------------------	--	--

ROPE, ETC.

7-16 in. and larger, per lb. 10.	Sisal.	Manilla.
11½ in.	10½	11
11 in.	11	12½
1½ and 5-16 in.	11	13
Cotton		14½
Russia Deep Sea		7½
Jute	6½	8½
Lash Yarn		9½
New Zealand Rope		

RULES.

Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.

Mrs. Potts, per set	0 62½	1 00
N.P., per set		90

SAD HEATERS.

Dome, Shepard's, per doz.	4 75	5 00
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SAND AND EMERY PAPER.

Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.		

SASH CORD.

Per lb.	0 20	0 50
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SASH LOCKS.

Triumph and Morris, dis. 37½, 40 per cent.		
Kempshell's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.

Sectional, per 100 lbs.	1 40	1 75
Solid, "		1 25

SAWS.

Crosscut, McMillan & Haynes, per dozen	0 40	0 70
"Empire," McMillan & Haynes, per ft.		0 70
Hand, Diston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Diston's, per ft.	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each	0 75	2 75
" frame only		0 75

SAW SETS.

"Lincoln," McMillan & Haynes, per doz	6 00	7 50
Whiting	5 63	7 00

SCALES.

Gurney Scales, 50 p.c.		
R. S. & M. Scales, 50 p.c.		
Champion, 60 per cent.		
Fairbanks Standard, 45 p.c.		
Dominion, 61 p.c.		
Richelieu, 60 p.c.		
Chatillon Spring Balances 25 p.c.		

SCRAPERS.

Box, per doz	2 10	4 50
Boot, "	0 40	3 50

SCREENS.

Door, patent, per doz	6 50	11 00
Window, per doz	2 00	2 75

SCREW DRIVERS.

Sargent's, per doz	65	90
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SCREWS.

Wood, F. H., iron, and steel, dis. 87½ p.c.		
Wood, R. H., " dis. 80 p.c.		
" F. H., brass, dis. 82½ p.c.		
Wood, R. H., " dis. 75 p.c.		
Drive screws, 87½ per cent.		
Bench, wood, per doz	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.

Discount, per doz. net	4 50	6 00
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SCYTHE SNATHS.

Canadian, dis. 50 p.c.		
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SHEARS.

B. & W., japanned, dis. 75 p.c.		
B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 60 p.c.		
Etna, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
" N.P., dis. 70 p.c.		
Clauss, full nickle, 60 p.c.		
" japanned handles, 67½ p.c. off.		
Seymour or Heinisch taler shears. 15 p.c.		

SHEAVES.

Sliding door, per set	0 77	1 40
-----------------------------	------	------

SHOVELS AND SPADES.

Canadian, dis. 40 and 10 to 45 and 2½ p.c.		
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SIEVES.

Wood rim, black, per doz.	1 05	1 10
" tinned, "	1 25	1 35
Tin rim, per doz	2 30	2 45
" black, "	1 85	2 25

SNAPS.

Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.

Per lb	0 25	
--------------	------	--

WROUGHT SPIKES.

Discount, 35 to 40 per cent.		
------------------------------	--	--

SPOKE SHAVES.

Wood, English	1 80	5 00
ron, American	1 35	2 35

SPOONS AND FORKS.

Tea spoons, per gross	7 50	12 00
Dessert, "	21 00	00 00
Table, "	30 00	30 00
Dessert Forks, "	24 00	00 00
Medium, "	27 00	00 00
Table, "	36 00	00 00

SQUARES.

Iron, per doz	1 65	2 90
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAPLES.

Galvanized	2 00	
Bright	1 00	

STEP LADDERS.

BOSCH BROS. & COMPANY.

Best grade, from 3 to 10-ft. long per foot, 160		
2nd grade, 3 to 10-ft., per foot, 10c.		

STOCKS AND DIES.

American, dis. 25 p.c.		
------------------------	--	--

STONE.

Washita, per lb.	0 28	0 60
Hindustan, "	0 06	0 07
" slips, per lb.	0 09	0 09
Labrador, "	0 13	
" Axe, "	0 15	
Turkey "	0 50	
Arkansas "	0 00	1 50
Water-of-Ayr "	0 00	0 10
Scythe, per gross	3 50	5 00
Grind. per ton	15 00	18 00

Stove Polish.



No. 4-3 dozen in case	\$4 50	
No. 6-3 dozen in case	7 50	

TACKS, BRADS, ETC.

1000 dozen in case.....	4 50
TACKS, BRADS, ETC.	
Cheese-box tacks, blue, 80 and 20 p. c.	
Trunk tacks, black, 80 and 12½ p. c.	
" tinned, 80 and 12½ p. c.	
B.B.B. iron carpet, blued.....	80
" tinned.....	80
R.B.B. iron carpet, bright or blued (in kegs).....	40
B.B.B. iron carpet, tinned (in kegs)...	45
B.B.B. cut tacks (in bulk).....	80
" " ¾ weights, 4 to 14....	50
" " 4 to 10.....	55
Swedes, cut tacks, genuine, blued and tinned, bulk.....	80
Swedes, upholsterers, 80 and 20.	

ISLAND CITY Paint and Varnish Works

Manufacturers of
**READY MIXED PAINTS and
FINE COACH VARNISHES.**

WAREHOUSES: 100 and 102 Bay St., TORONTO.
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BUREAU**

Board of Trade, Montreal



"BUILD TO-DAY THEN,
STRONG AND SURE
WITH A FIRM AND
AMPLE BASE."
—Longfellow.

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WISH THUS TO BUILD
an
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in the
**CONTRACT-
RECORD.**

TORONTO
will bring you
tenders from the
best contractors

CHARLES F. CLARK,
President.

J. CHITTENDEN,
Treasurer.

ESTABLISHED 1849.

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MERCANTILE AGENCY**

THE BRADSTREET COMPANY,

Executive Offices Proprietors.

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Offices in the principal cities of the United States, Canada, the European Continent, Australia, and in London, England.

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THOS. C. IRVING, Superintendent

Lockerby & McComb

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WASHBOARDS, SLEIGHS
TOY CARTS, WAGGONS
CROKINOLE GAME
"CROQUET A SPECIALTY"

Factory, 144 Ann Street.

Office and Warehouse, 65 Shannon Street
MONTREAL

THE ...
UNRIVALLED



Brilliant St. Antoine

**METAL
POLISH.**

Free from acids.

Most useful for household articles, musical instruments, jewelry, harness, etc. Highly recommended by fire brigades, railway and steamship companies.

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Also manufacturers of Mucilage, Ink and the famous St. Antoine Cement for glass and china ware.

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MONTREAL

**PERFECTION
AUTOMATIC
REVOLVER.**

NEW Automatic shell extracting,
double action, small frame.
Weights 12 oz. Rebouncing lock. 32
caliber. 5 shot.

Made with shorter barrel for bicycle
use.

The most perfect small pistol made.

SEND FOR
CATALOGUE.

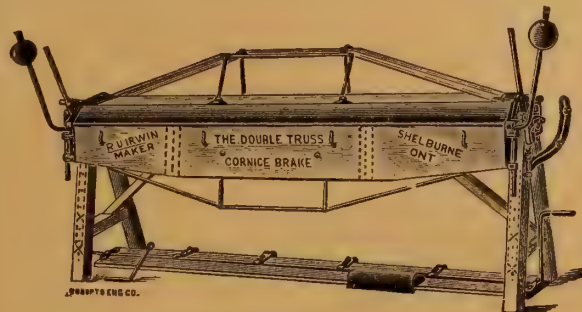


Forehand Arms Co.

Manufacturers of
the

Forehand Guns

**Worcester,
Mass.**



This eight-foot Brake bends 22-gauge iron
and lighter, straight and true.

Price, \$50

Very handy beader attachment, \$10 extra,
if required.

Send for circulars and testimonials to

**The Double Truss Cornice
Brake Co. SHELburne, ONT.**

It Leads Them All.

Where accurate weighing is required use

Gurney Standard Scales.

FULL LINE OF

**WAREHOUSE (Portable or Dormant)
HOPPER SCALES**

**DAIRY SCALES, COUNTER SCALES
WAGON SCALES
TRACK SCALES**

THE GURNEY SCALE CO., - Hamilton, Ont.

WALTER GROSE, 30 St. Dizier St., Montreal, Que.

Agent for Montreal and Eastern Provinces.

E.t. 1863

Inc. 1895

Black Diamond File Works

G. & H. Barnett Company

PHILADELPHIA

Twelve

Medals



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International Expositions
Special Prize

Gold Medal at Atlanta, 1895



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"PYRAMID" BRAND



BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand
as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

Sole Manufacturers:

THE CUTTA PERCHA AND RUBBER MFG. CO.

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61-63 FRONT ST. WEST, TORONTO.

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Plumbing Supplies,
Paints, Oils,
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Langwell's Babbitt
--Montreal.

CANADIAN

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AND METAL
MERCHANT

The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X.

MONTREAL AND TORONTO, DECEMBER 17, 1898.

NO. 51



Magnolia Metal

*Best Anti-Friction Metal for
all Machinery Bearings.*

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in United States" and
"Patented June 3, 1890"
are stamped on the under
side of each bar.



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MONTREAL—Caverhill, Learmont & Co.
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"Queen's Head" and "Orb" brands.

The best in quality and finish.

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JOHN LYSAGHT, Limited

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Canada's Largest Radiator Manufacturers

**THE PRIDE OF POSSESSION
BRINGS CONTENTMENT.**

Use only —————

Safford Radiators

...and peace will be yours.

No { **BOLTS
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LEAKS**

MADE ONLY BY

The **Dominion Radiator Company**

TORONTO

Limited

Montreal, Quebec, St. John, Winnipeg, Vancouver.



*Safford
Favorite*

RICE LEWIS & SON

(LIMITED)

ARTHUR B. LEE, President.

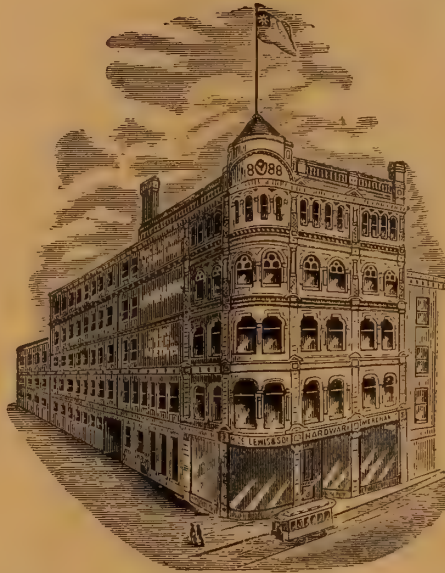
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Shelf and Heavy

Hardware



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FINE BUILDERS' HARDWARE.

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handsome Bath Tub—how to buy a Bath Tub that you can't wear out and that won't chip or crack—how to get a Bath Tub of the highest quality that is all ready to set up without further expense to you?

Then send for our illustrated booklets that tell all about that "Bath-Room Help" 

The price for it complete is but \$17. . .

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Bath**

The Toronto Steel-Clad Bath and Metal Co., Limited,
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COLDBROOK IRON AND STEEL CO.

Limited

Manufacturers of
all kinds of

BAR IRON.

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GORDON WIRE AND WIRE NAIL WORKS.

Manufacturers of

Wire and Wire Nails

We are sole selling agents in the Dominion for the above Companies. Orders Promptly Executed.

W. H. Thorne & Co., Limited

ST. JOHN, N. B.

Established 1825

Important Decision relating to the

Established 1825

HEINISCH



TRADE-NAME ON SHEARS, TRIMMERS, Etc.

The U.S. Circuit Court, Southern District of New York, Judge Townsend, has rendered a decision in the suit of "R. Heinsch's Sons Co. vs. Hermann Boker & Co."

"The Complainant is entitled to an accounting, and to an injunction restraining them from using the names 'Heinsch' or 'H. C. Heinsch' on its Shears, Lab-Is etc. and otherwise, in any way which will interfere with Complainant's enjoyment of the benefits of its Trade-name."

Referring to the above decision, we would respectfully state our determination to protect our rights in the premises and warn all persons against any imitation of our Trade-name

R. HEINISCH'S SONS CO.,

N.Y. OFFICE, 90 Chambers St.

NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.

North Bros. Mfg. Co.
Philadelphia, Pa., U.S.A.



Holiday Goods

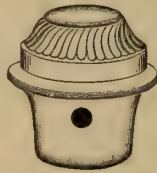
DECORATED ENAMELLED WARE.

Children's Sets—Cup, Saucer and Plate.
Teapots, Cream Jugs and Sugar Bowls.
Toilet Sets.

Also Nickel Plated Waiters, Tea Kettles, Hot Water
Kettles, Etc.

Prompt Shipment.

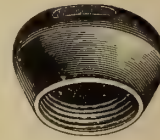
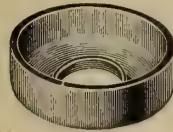
The THOS. DAVIDSON MFG. CO., Limited, Montreal



Stove Trimmings

*In BRASS, NICKEL
and BRONZE.*

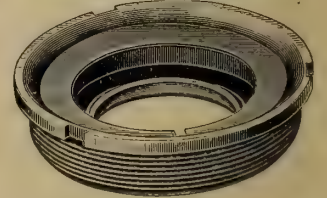
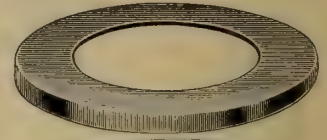
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**Sheet Steel
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*OF ALL
DESCRIPTIONS.*

Estimates furnished from Blue Prints,
Drawings or Samples.



CATALOGUES FURNISHED ON APPLICATION.

The H. A. MATTHEWS MFG. CO., SEYMOUR, CONN.

The fibre is long
and strong

**BROWN WRAPPING
HARDWARE MANILLA
MANILLA
FIBRE**

Eddy's Wrapping Papers

The E. B. EDDY CO., Limited

HULL
MONTREAL
TORONTO
LONDON

ST. JOHN
HALIFAX
HAMILTON
WINNIPEG
QUEBEC

VANCOUVER
VICTORIA
ST. JOHN, Nfld.
KINGSTON

The paper stands
wear and tear

EXTENDED INSURANCE.

One of the many liberal features embodied in the
UNCONDITIONAL ACCUMULATIVE POLICY
issued by the

Confederation Life Association.

HEAD OFFICE--TORONTO,

is the provision for Extended Insurance. After two full annual premiums have been paid, the insured is entitled to Extended Insurance for the full amount of the policy for a term of years definitely stated therein. Paid-up and Cash Values also guaranteed.

Rates and full information sent on application to the Head Office, Toronto, or to any of the association's agents.

W. C. Macdonald,

Actuary.

J. K. MACDONALD,

Managing Director

1899. 20TH YEAR

Rambler

**GORMULLY & JEFFERY
MFG. CO., CHICAGO**

Bicycles

Seven Different Models

30-inch WHEELS

\$55.00

28-inch WHEELS

\$50.00

TANDEMS

\$85.00

IDEAL

**SHELBY CYCLE MFG. CO.
SHELBY, OHIO**

Bicycles

Twelve Models

JUVENILES

\$25.00 to \$30.00

28-inch WHEELS

\$35.00 \$40.00 \$45.00

Rambler and Ideal Bicycles make the best and most complete line for country agents to handle. Our travellers are now on the road with samples. Drop us a card, if you wish to be called on.

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**IRON, STEEL, HARDWARE
BICYCLES**

Canadian Agents
**RAMBLER and IDEAL
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53 Yonge Street

TORONTO, Ont.

IRON PIPE . . .

Black and Galvanized.

WIRE

Bright Iron and Coppered Iron.
Brass and Copper.

COTTON WASTE

Colored and Best White.

BABBITT METALS

Copperine.

M. & L. Samuel, Benjamin & Co.

ENGLISH HOUSE:

Samuel, Sons & Benjamin

164 Fenchurch Street, London, E.C.

26 to 30 Front St. West **TORONTO.**

CAN YOU AFFORD

to carry in stock unknown brands of stove polish that your customers know nothing about, brands they do not call for, the quality of which is inferior, gives them dissatisfaction, and the consequent sale of which brings discredit to your store? Your best judgment answers NO! Then sell

Enameline

THE MODERN
STOVE POLISH
PASTE, CAKE OR LIQUID

If you are doing business for profit it will pay you to handle our whole line.

J. L. PRESCOTT & CO., NEW YORK.

HUSTLERS FOR THE CHRISTMAS TRADE

Articles that will bring you customers and retain them.

Kemp's Royal Tea Kettles

Made with Pit and Body in One Piece. A Strong and Durable Kettle. Supplied in All Copper, or All Copper Heavily Nickel Plated.

Climax Hot Water Kettles

For Base Burners or Table Use. All Copper, Nickel Plated, with Embossed Ornamental Snowshoe Band Around Bodies. Also supplied with Plain Bodies.

Royal Nickel Plated Tea and Coffee Pots

All Copper, Heavily Nickered. Supplied in four sizes.

Each of these articles is wrapped and put up separately in a cardboard box.



White Enameled Tea Pots

With Fancy Nickel Plated Handles. Nickel Plated Copper Covers and Bowl Bottoms. Highly Decorated.

Kemp Manufacturing Co. - Toronto, Canada.



Vol. X.

MONTREAL AND TORONTO, DECEMBER 17, 1898

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President, JOHN BAYNE MacLEAN, Montreal.
Treasurer, HUGH C. MacLEAN, Toronto.

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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

RETAILERS AND BICYCLES.

MANUFACTURERS of, and wholesale dealers in, bicycles have entered upon the campaign for the ensuing season.

The season when bicycle riding will be in vogue again is some four or five months hence, but it does not follow that, because that is so, the retail hardwareman who proposes to handle wheels should defer taking active steps to get a share of his local trade till then.

Now is the time to begin at least the thinking and the planning. In order to

make the retailing of bicycles a success a great deal of forethought is demanded.

First, there is the matter of wheels to be considered. Do not enter into a contract for the first wheel that is shown you unless you are persuaded that in make and in price it is adapted to the locality in which you do business.

Neither is it advisable to confine yourself to one grade of wheel. It is always well to have a low as well as a high-grade wheel.

There are a good many who will not ride anything but a high-grade wheel, while there are others whose financial position compels them to be satisfied with the low-grade article. The merchant who handles bicycles ought to be in a position to cater to the demand of both classes of customers.

As soon as the retailer has decided upon the line of wheels he will carry in stock, he should begin to do missionary work among prospective customers. He might begin by writing a letter to them. This should be followed up by occasionally mailing to them any reading matter that may be obtainable regarding the particular merits of his wheels. Then, there is the advertising in the local papers. That is important and should be as liberal as possible.

Clerks can do a great deal in helping to sell bicycles, by talking about them out of the store, as well as in it. A little inducement in the way of a small commission would cause the clerks to take more interest in the pushing of wheels; and the more interested they were the better, of course, would it be for the merchant.

A lazy man is a stumbling block to his own advancement.

COMPETITORS HAVE RIGHTS.

DURING a speech delivered in Manchester a few weeks ago, the Right Hon. Joseph Chamberlain made this remark: "No doubt Germany is a most dangerous competitor, but I should be ashamed of my countrymen if we were to make that a cause for hostilities, and if we were not perfectly willing to meet, in keen but friendly rivalry, any competitor in the field."

There is a moral in that expression of opinion which can, without much effort, be extended to individuals.

Every man has a right to live, and, in order to live, he has a right to follow any avocation he chooses, as long as, in doing so, there is no transgression of the law.

When we try to elbow a competitor out of the race, we deny this right.

The right of every man to follow any legal calling he chooses does not deny anyone else the right to compete with him. Fair competition none but a fool would denounce. It is the unfair competition, the competition which is impelled by jealousy, that is to be deplored.

The merchant should aim to make his business the best and most attractive in his neighborhood, and the clerk should strive to make himself the most proficient clerk in the store. But this does not warrant, metaphorically speaking, the one or the other throwing bricks at those who appear to be a little ahead in the competition.

He who would be swift should not train with a snail. And he who would be a good business man will need to be pushed by those who are faster than himself. He will never develop speed any other way.

THE PRICE OF RECIPROCITY.

WHILE the deliberations at Washington between the Canadian and the United States Commissioners are private, enough has leaked out to show that the representatives of the Dominion are disappointed with the offer our cousins are prepared to make in the matter of reciprocity.

It is to be hoped that the attempts which are being made to draw up a reciprocity treaty will not be abortive. Canada desires closer trade relations with the United States. She desires it chiefly in order that her lumber, coal and certain agricultural products may be exported to that country under less onerous tariff conditions than now obtain.

But, while these things are desired, there is no imperative necessity for them. Canada would live, and, what is more, thrive, even if the United States went the length of even prohibiting the importation of Canadian products. And the position of the Dominion in this respect is becoming more and more independent as the years roll by.

Ten years ago it would have been probably difficult to find a man in the Dominion who would acknowledge that the closing of the markets of the United States against the products of this country would be anything short of our ruin. But times have changed. Now it would be difficult to find a man who held any such faith.

There are a great many people in this country who prefer not to have a reciprocity treaty with the United States under any condition. But these are in the minority. The majority, while not much concerned in the matter, are in favor of a treaty. But the price paid for it must not be high. It must be fair; and any addition to that would be met with a storm of indignation. There are politicians who would probably be indignant under any circumstances. But we are not taking the politicians into account. We merely have in mind the commercial men of the country and all other men of common sense.

The commercial interests in Canada were never in a healthier condition than they are to-day, and the outlook for the development of the country was unquestionably never so

bright. The concomitant of this is a measure of confidence such as has never been experienced before.

Time is on the side of Canada, and the people of this country realize it.

Canada may be likened unto a merchant who, because one of his two chief customers has decided to curtail his expenses, is compelled to redouble his efforts elsewhere in order that the volume of business may be maintained.

The McKinley tariff of 1890 was a direct notice to Canada that the United States did not propose to in future purchase from her more goods than was possible. A good deal of alarm was caused by this notice, and so was a great deal of enterprise, with the result that in the eight years since the inauguration of the tariff, that bears the name of the now President of the United States, the total foreign trade of the Dominion has increased by 43.50 per cent., and the export trade alone by about 65.60 per cent.

In 1890, the year the tariff went in force which was to deal an effective blow to Canada, the joint exports to Great Britain and the United States were \$88,876,504.

For the fiscal year ending June 30 last, the value of the exports to Great Britain alone exceeded \$100,000,000.

Instead of the blow killing it quickened. This is proved by the following table, which gives the exports of purely home products to Great Britain and the United States for the years 1890 and 1897:

	1890.		1897.	
	Great Britain.	United States.	Great Britain.	United States.
The mine...	\$ 630,815	\$ 3,963,237	\$ 351,769	\$10,533,581
The fisher's	2,707,422	2,850,528	4,366,083	2,998,655
The forest...	14,098,865	10,247,640	14,059,585	15,435,759
Animals and their products	18,578,722	5,966,474	33,600,891	5,081,811
Agricultural products	3,661,828	7,519,253	13,507,342	2,419,814
Manufactures	1,816,147	2,667,282	3,617,128	3,213,677
Miscellaneous	5,352	76,773	28,056	33,760
	\$41,499,149	\$33,291,207	\$69,583,852	\$39,717,057

It will be seen from the above table that in the exports to Great Britain, from 1890 to 1897, there have been the following gains: The fisheries, 57.50 per cent.; animals and their products, 79.37 per cent.; agricultural products, 27 per cent.; manufactures, 99 per cent.

The increase in the exports to the United

States of the products of the mine is, of course, due to the mining activity in British Columbia, the ores of that Province being largely sent to the smelters across the border for reduction. In lumber the gain was over five million dollars for the United States, while the exports to Great Britain remained practically stationary. But these figures are not the figures of 1898, which will undoubtedly show a large increase for Great Britain. But it will be some months hence before they will be issued, notwithstanding that the fiscal year closed on June 30 last. Therefore, we have to take what we can get.

If the terms on which the United States exacts reciprocity demand more than is fair, there should be no hesitation in refusing them.

Something like fifty commercial bodies in the United States have, during the past year, declared in favor of reciprocity. But, unfortunately, it is not the commercial interests that rule. It is the political. And where the politician is king, the business man does not appear to be a powerful factor.

Should the negotiations fail, Canada has no need for concern. Every year in our history will put us in a better position to make a bargain, and the better our position the less inclined will we be for reciprocal arrangements.

Energy is better than gold, and a high aim in life better than rich ancestors.

THE HEMP SITUATION.

Since **HARDWARE AND METAL** went to press last week there has been a further decline in jobbers' quotations on both sisal and manilla rope. The base price of sisal is now 9 $\frac{3}{4}$ c. per lb., and of manilla 10 $\frac{1}{2}$ c. per lb.

During the last few days, however, there is a better feeling on account of a firmer tone in the outside hemp markets.

Advices from London report an advance of 5s., and cables from Manilla note that higher prices are ruling there. Sisal hemp is firmer in sympathy with the advance in the Manilla product.

Mail advices from Manilla show that since January 1 to September 13 the receipts of hemp at Manilla and Cebu were 414,954 bales, against 629,647 bales the same period in 1897, and 505,668 in 1896.

PROJECTED DOMINION JOBBERS' ASSOCIATION.

THERE is a movement on foot at present among the wholesale hardware trade in Canada, having for its object the formation of an association of jobbers similar to The National Hardware Association, which looks after the interests of the jobbing trade in the United States.

Many of the leading houses in Canada have felt for some time that if such an association could be formed the interests of the wholesaler, in his relations with the makers, could be arranged on a more equitable basis than exists at present. It is an open secret in this respect that the jobbers consider that they have a serious grievance against the makers for trespassing on their territory, and accepting accounts from retailers that, they claim, rightly belong to them, the jobbers.

Advocates of the formation of an association point to the fact that in the United States the makers have profited by working more in harmony with the jobbers.

At the annual convention of the United States association, recently held at Milwaukee, Secretary Lupton, of The Oliver Wire Company, of Pittsburg, in a speech, remarked that never before had he appreciated the extent of the jobbing hardware interests and the necessity of the distribution of his company's products as far as possible through the jobbing hardware houses. He pointed out that in 1895 their sales-ledger showed 3,200 accounts, while this year it had less than 1,100 accounts, with a largely increased volume of business and a material decrease in the losses and the expenses of transacting the company's business. In every respect the business had never been so satisfactorily done as during the past three years, when 100,000 tons per year of wire product had been handled through the jobbers of the United States.

This testimony from one of the biggest manufacturing concerns in the United States is unimpeachable evidence of the benefit of harmony between the makers and the jobbers, and it is upon it that the projectors of the proposed association are working.

Several of the leading Montreal firms have already had conferences on the matter, and are now corresponding with Toronto,

Hamilton, and other centres in regard to the matter.

One of these gentlemen told **HARDWARE AND METAL** that he was sanguine that an association would be formed, and that after the preliminary details had been discussed a convention would be called, either in Montreal or Toronto, to fully thresh out the whole matter.

They had for years been suffering from an unintelligent and greedy strife for trade. The maker had encroached upon the wholesaler, the wholesaler upon the retailer, and any movement that will tend to bring the distribution of merchandise into its proper channels should be hailed with delight by all well-meaning members of the hardware and metal trade.

MONTREAL METAL ASSOCIATION.

THE Montreal Metal and Hardware Association held its annual meeting on Wednesday, in the Board of Trade, Mr. George E. Drummond, the president, in the chair, and the new provision of the Customs Department, as regards the swearing to documents, was taken up. This matter was referred to the association by the council of the board of trade. A committee was appointed to look into the matter: Messrs. William McMaster, J. T. McCall and J. B. Learmont.

The election of officers was then taken up, and the following board will serve for the next twelve months: President, Mr. William McMaster; vice-president, Mr. T. H. Newman; treasurer, Mr. McCormack. The directors are: Messrs. Frank Caverhill, Charles Cassils and Fred. Lewis.

Mr. McMaster was chosen as the association's candidate upon the board of trade councils for the coming year.

At a subsequent meeting of the association, it was decided to hold weekly meetings of the association on 'Change, and Wednesday, at 12.30, was decided upon as the most suitable time for the trade.

By the hearty cooperation of the members, these meetings could be made of very great benefit to the trade, and it is hoped that all will endeavor to attend regularly.

The first meeting will be held on Wednesday, 21st inst., at 13.30 p.m.

A BUSINESS MAN FOR THE HAMILTON MAYORALTY.

THE contest for the mayoralty chair in Hamilton, Ont., is between a business man and a lawyer. Mr. Tilden is the business candidate, and it is to be hoped the business men of the "Ambitious City" will rally round him and secure his election.

He is not appealing to the electors on any party grounds. His platform is business. And Mr. Tilden has a perfect right to make it such. He is actively connected with some of Hamilton's most important industries, chief among which are The Gurney-Tilden Co. and The Hamilton Blast Furnace Co., being president of the last-named concern.

The Hamilton Herald acknowledges that Mr. Tilden's address to the electors "is a business document from a man of business." But The Herald leans to Mr. Teetzel, the lawyer candidate. And, after expressing the opinion "that we need good business men to manage our municipal affairs," remarks: "But is it true that a lawyer must needs be a poor man of business, unskilled and without experience in business affairs? We think not. * * * Some of Hamilton's most successful business enterprises have been promoted and directed by lawyers."

No doubt, what The Herald says is, to some extent, true. But that paper appears to be carried away with the idea that every lawyer with common sense is a lawyer expert in business matters.

It acknowledges that business men are needed to manage municipal affairs, and then advances the theory that lawyers can fill the bill.

Carry out this theory to its logical conclusion and to what absurd lengths would it lead one. For instance, the business man who has learned a few points about law would be quite competent to perform the duties of a lawyer, or the man who had extracted a splinter or applied a mustard plaster to a sore chest would be justified in practising medicine.

Business men are business men. Lawyers are lawyers. And if you want a man to fill a business office it is a business man and not a lawyer that is needed.

The Mayor's office is a business office. Mr. Tilden is a business man. Mr. Teetzel is a lawyer.

A WINNIPEG HARDWARE FIRM'S NEW BUILDING.

BEAUTY and strength are both suggested by the new premises of Geo. D. Wood & Co., one of Winnipeg's most prominent wholesale hardware firms. The building is situated in the very heart of the city, about half a minute's walk from the post office, west of Main, on the corner of McDermot avenue and Arthur street. McDermot avenue, by the way, is the first of our business thoroughfares to be paved with asphalt and presents a fine appearance. Fronting on McDermot avenue, the building is 73 feet long with a frontage on Arthur street of 132 feet and a rear depth of 99 feet. From Arthur street a wide driveway extends right through the building and teams driving in from Arthur street pass out along a lane on to Albert street without having to back or turn. The heavily arched roof of the driveway forms a support to the second floor of the structure. The building is

FOUR STOREYS AND BASEMENT.

The foundations are Selkirk stone on concrete, and the stone is carried up seven feet above the street level, the immense blocks, rough hewn, giving an air of great solidity. The superstructure is all native white brick of fine quality, with Bedford stone sills for the windows. The building is entirely without ornament, and depends for its beauty on the quality of material, correctness of proportion, and perfection of finish. The windows of the first floor are all single sheets of fine plate glass, while those of the second and third floors are of 32-oz. glass.

On Arthur street, in addition to the driveway, is a large receiving entrance, but we will enter by the front or main entrance on McDermot avenue. Up four broad stone steps and through a pair of enormous oak doors we pass into a wide vestibule, and up three more steps into the entrance hall, from which rises

THE GREAT STAIRCASE.

The vestibule and entrance hall are of British Columbia fir, with plain glass panels. The staircase is also of fir, with the exception of the treads, which are two-inch oak planking, and appear calculated to withstand the feet of a hundred generations. Upstairs we go to the second floor. The offices and sample-room are ranged along the front and down the Arthur street side of this floor. First comes the private office of Mr. George D. Wood, then the general office, and a fine well-lighted sample-room occupies the corner next the manager's office, and finally the entry office. These offices are, without doubt, the finest in this line of any business in the city. The ceilings are all metal. The pattern is very handsome, and as the ceilings are painted a

rich cream white, and the great iron girders a delicate salmon, the effect is singularly pleasing. The offices are all finished in British Columbia fir, with glass panel partitions. It would be difficult to exaggerate the beauty of this wood. The fineness of the grain and the infinite variety and delicate beauty of the markings are enhanced by its being simply oiled and rubbed. In the offices the furniture is all oak, a great part of it being made on the premises to fit the various departments, and

EVERY MODERN CONVENIENCE

for the quick and comfortable despatch of business is to be found in the spacious, well-lighted rooms.

One of the numerous staff was kindly detailed to take your correspondent over the building, and, wishing to begin at the beginning, down we went to the basement. Here is situated the 10-horse-power dynamo which runs the elevators and the electric lighting of the building. The elevator has a capacity of 4,000 lb. In the basement, too, is the 30-horse-power boiler which supplies the heating for the building. Here also is the beginning of the vault system which runs from the basement to the third floor. The lines of goods carried in the basement are rope, nails, bulk paint, building paper, grindstones, barbed wire, etc.

ON THE FIRST FLOOR

are to be found more nails, axes, band iron, tubings, bar steel, plain twist wire, wire nettings, cable chain, and, in fact, all lines of very heavy goods. From this floor two large shipping-doors open to the arched driveway. Across the driveway is the iron-house, with three doors to open to the driveway, and having pits, with cement floors, for every size and variety of bar iron, so arranged that it can all be loaded or unloaded with the least possible amount of effort. In the rear of the ironhouse, and separated from it by a double brick wall, is the oil vault, also with a shipping-door to the driveway.

SECOND FLOOR.

On this floor, in addition to the offices already described, are the great cabinets of fine cutlery, guns and rifles of all descriptions. The keeping of these goods in cabinets greatly facilitates the handling of them, and is a great preventive of rust and dust. The entire space of this floor is devoted to fine shelf hardware. Over the arched driveway are situated the great packing-rooms, with long rows of tables divided into stalls, so that large numbers of orders can be laid out and packed without having to stoop to the floor. In this room there are 750 square feet of table space, and also large swinging shelves, holding boxes of all sizes and other packing material ready

to hand. In this room there is a dormant scale, 4,000 lb. capacity.

THIRD FLOOR.

Here is more shelf hardware, tinware, graniteware, blacksmith's supplies, miner's supplies, brushes, mixed paints, and a hundred and one other things. At the rear of this floor is a special rack for beltings, so constructed that from the rack to the McDermot avenue front of the building there is a clear sweep of 125 feet for measuring belting on. Another feature of this floor is the specially constructed whip-rack, where each size and grade of whip has a division all its own, and from which samples can be taken for selling purposes without disturbing or handling more than the whip needed.

FOURTH FLOOR.

This floor is given over to washers, churns, lamp chimneys, brooms, woodenware, galvanized pails, tubs, pumps, etc. For the last mentioned a specially convenient rack has been erected where samples can be seen and handled without disturbing stock.

The roof, high at all sides, inclines to the centre connecting with the large down pipes through which all water escapes to the sewer.

The impression made upon you by this building is the maximum of result with the minimum expenditure of time and labor. Everything has been done to render work easy and pleasant, and in no case throughout the building has the convenience of employes been overlooked. Large and comfortable lavatories are situated on the second and third floors. It would be difficult to imagine a pleasanter place to work in.

CEMENT FOR BICYCLE RIMS.

Some time ago I observed that I had several good formulae for cements of various kinds. Nobody has asked for any, but there is no reason why a merchant should not sell little bottles of cement for different purposes, so I here give a formula for attaching bicycle tires to rims :

Gutta percha.....1 lb.
Asphalt.....2 lb.

Melt these and mix them. Then quickly apply to rim, slip the tire on and inflate.

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.

Limited
HAMILTON, ONT.

TRADING STAMP COMPANY FINED.

AN interesting legal point has developed in the Province of Ontario in connection with trading stamps.

There is in the Ontario Statutes a law which gives to municipalities the power to regulate transient traders by the imposition of a tax not to exceed a certain sum.

This law, which is optional, has been adopted by a great many municipalities.

Later, some of the municipalities have come to the conclusion that the Dominion Trading Stamp Co. came under the provision of this law. At Brantford the other day the license fee was paid, but under protest. At Woodstock, however, the fee of \$75 was not paid. Legal proceedings were instituted, with the result that a fine of \$10 and costs was imposed.

The premise of the company is that it offers no goods for sale. It sells stamps and gives away goods. Therefore it does not come under the provisions of the law. Upon this ground it proposes to make an appeal to a higher court. And, as it has 14 branches in Ontario, it is quite natural that it should be desirous of evading the law if possible.

If, on appeal, it should be found that the law does not cover the case of the Trading Stamp Company, it should, at the next session of the Legislature, be made elastic enough to do so.

One thing is certain: The company sells the stamps in order that the retail grocers, hardware merchants and dry goods merchants may sell its goods.

In other words, the retail merchants who give trading stamps are the salesmen of the trading stamp concern.

Where the Trading Stamp Company differs from other merchants who handle similar lines of goods is in the method of selling them. That is all. But it should not exempt it from the law which operates against other classes of transient traders.


TURPENTINE AGAIN ADVANCES.

Turpentine continues to develop strength, and this, in spite of the fact that the yield in the South is larger than it was last year.

On Thursday, there was another advance of $\frac{1}{2}$ c. per gallon in Savannah, and the price is now from 9 to 10c. per gallon above the figure ruling a year ago.

In sympathy with the primary market, quotations are 2c. per gallon higher in both Toronto and Montreal, one to four-barrel lots now being quoted at 59c. per gallon.

The consumption of turpentine in Europe and America this season has been large. The shipments to Europe alone have, so



Started With a Rush

Our salesmen have been out for about two weeks, on next season's business.

The orders they have sent in during that time have greatly surprised us—and we are not easily surprised.

Things have started with a rush. Orders of a year ago have been doubled and quadrupled, and we are already wondering if our large addition to our works will be sufficient to meet the big increase that is now in view.

It's remarkable, it's encouraging. It spurs us on. To receive such evidence of appreciation of our goods and business methods makes us work harder than ever to deserve it.

We strive to excel by superiority alone.

THE SHERWIN-WILLIAMS CO.

Paint and Varnish Makers

Walter H. Cottingham,
Managing Director,
Canadian Department.

CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON

far, been no less than 14,000 barrels, while the consumption in the United States is estimated to be one-third larger than last year.

PATENT REPORTS.

Below will be found a list, specially prepared for this paper, of patents recently granted to inventors by the Canadian Government through the agency of Marion & Marion, solicitors of patents and experts, New York Life building, Montreal: Nos. 612789, George R. Chisholm, Sault Ste. Marie, Mich., children's carriage; 61914 and 61915, E. Parent, Terrebonne, Que., shoes; 61933, David Daishey, White Point, N.S., lobster trap.

WILL RUN FOR ALDERMAN.

George Boxall, hardware dealer, Yonge street, Toronto, will enter the field this year as candidate for aldermanic honors in ward 3. Mr. Boxall's candidature will be supported by the Toronto Retail Merchants' Association, for the reason that he has proved himself to be a man who takes a general interest in that portion represented by the retail merchants. He has from its inception been a member and an active worker in the Retail Merchants' Association,

and now holds the office of vice president of that body.

Mr. Boxall is not without municipal experience, having for a number of years represented one of the wards on the public school board.

The business men of ward 3 should give him their support.

FASHION IN PEARL HANDLES.

Fashion in pearls, as in other material used for the handling of table cutlery, changes with the season, and we hear that at the present time carved handles are somewhat more sought after than was the case a few years back. Pearl-handled cutlery is not in very brisk demand this month, though a fair amount of high-class goods is being forwarded to London for the Christmas trade. The chief call is for plain, and the standard fancy patterns. The London pearl sales took place last week, when qualities of shell suitable for the Sheffield trades fairly maintained their price. Sydney shells were from 5s. to 10s. per cwt. lower, a few fine heavy lots realizing from £9 15s. to £10 17s. 6d. per cwt. Manilas were firm at about £8 5s. per cwt. Very few Merguis were on offer, sales generally being at former prices.—Hardwareman.

THE SPADE AND SHOVEL QUESTION.

AN INTERVIEW WITH MR. JONES.

HARDWARE AND METAL received a visit a few days ago from Mr. Jones, of The D. F. Jones Manufacturing Co., Limited, makers of spades and shovels, Gananoque. The cause of his visit was the series of articles on the spade and shovel question which have recently appeared in this journal.

"These articles," he said, as he took a chair, "are not altogether based upon the facts. Now, in regard to the charge that wholesalers in Canada cannot import from the United States because of an agreement between The Spade and Shovel Association in Canada with The Spade and Shovel Association in the United States, let me tell you there is no such agreement. If the manufacturers in the United States have refused to quote Canadian importers, it is simply because they do not want the business.

"Then, in regard to the advance in price by the Canadian association, allow me to say that, taking an American shovel, equal to the 'Old's' brand, it cannot be laid down in Canada, adding 35 per cent. for duty and 10c. per dozen freight, at less than 66c. per dozen above the cost of the home-made article. On other lines the conditions are much the same, so that, really, the Canadian jobber is getting his shovels cheaper than if he imported them from the United States.

"It is true that since 1896 the price of 'Old's' shovels has been advanced. But so has raw material. Shovel handles are 25 per cent. dearer. Fuel oil costs 5 per cent. more. Then, there are the freight rates: They are 30 per cent. higher than they were before the association was started in 1896.

"Then, you say that the manufacturer only allows the jobber about 5 per cent. Now, this is not true. Instead of allowing only 5 per cent., we bind them down to sell at a price which will yield them not less than 12 per cent. They are at liberty to make as much more as they choose.

"The charge that the members of the association are unable to supply the demand is all nonsense. It is true that for a short time last summer, owing to an accident, we were cramped, but the jobbers are, on the whole, as well, and as properly supplied with spades and shovels as they are with any other class of goods they receive. The men who placed their orders ahead got their goods and made no complaint. The men who complained were those who, pretending to be jobbers, were really nothing but commission merchants.

"As far as the fixed selling price is concerned, we were asked by the jobbers, and

a large majority of them, to fix it. They told us that unless we did fix the price at which they were to sell them they could not make money, as they were cutting each other's throats."

"As far as The Spade and Shovel Association in the United States is concerned, have you not some agreement with them?" I asked.

"Well, yes; we are affiliated with the association in the United States. Are a part of it, in fact. But the agreement does not prevent them from selling to the Canadian jobber if they desire to do so. In fact, our firm has asked the manufacturers to quote on this market. All the American manufacturers agree to do is not to sell on the Canadian market at a lower price than we do. But, as I have already shown, the laid-down price in Canada of the shovel made in the United States is 66c. per dozen above the price of the Canadian-made shovel."

"But, is it not true that you pay a certain sum of money to The Spade and Shovel Manufacturers' Association, of the United States?" I interposed.

"Yes, we do. But it is not for the purpose of inducing them not to sell to the Canadian importer."

"It is a sort of membership fee then, I suppose?"

"Well, you can call it what you like," replied Mr. Jones, as he smiled. "We naturally have to pay something to be affiliated with the American association, for there are certain advantages which we obtain thereby."

"What are the certain advantages?"

"There is, for instance, the matter of handles. Second growth stuff is scarce in Canada, and we get all our 'D' handles from the United States. But we could not very well get them there if we were not affiliated with the American association."

"Why?"

"Because the spade and shovel association over there controls the output of these handles. Under a contract with the makers, the members of the association secure their handles at a certain price, which is below that which those outside the association have to pay. Therefore, getting them through the association, we get them cheaper than we otherwise could.

"As to our association, it is not a combination. We do not fix prices. There is, of course, an understanding as to prices, but no one of the four manufacturers who compose our association are withheld, by penalty or anything else, from selling to the trade at whatever price they choose. As a matter of fact, one of them is now underselling the association. I do not see, therefore, how there is anything that is contrary to the Customs Act or that demands the Government taking proceedings against us."



GILBERTSON'S
"COMET"
BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinsplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent . . . 22 St. John St., MONTREAL

H. S. HOWLAND, SONS & CO.

WHOLESALE
HARDWARE

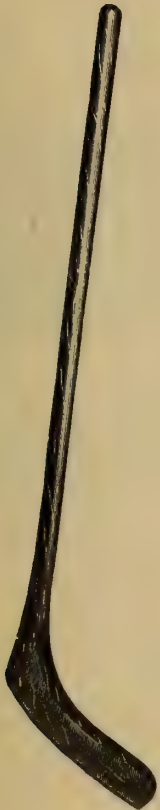
37-39 Front Street West TORONTO

Skates.



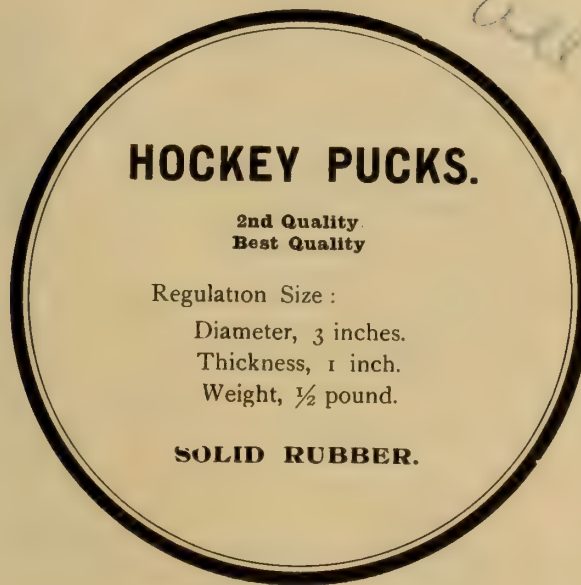
All Sizes now in Stock.

If you have not received our Fall and Winter Catalogue write for one.



Hockey Sticks.

White Ash—Oil Finish.
" " —Plain "
Rock Elm—Oil Finish.
" " —Plain "



Skate Straps. Skate Parts.



Snow Shovels.

Steel, T and L Handles.
"Favorite," Wood—Painted Red.
Steel Side-walk Scrapers.

Graham Cut and Wire Nails are the Best.

H. S. Howland, Sons & Co., Toronto

LARGE
ASSORTMENT.

CLOSE
PRICES.

BUSINESS CHANGES.**DIFFICULTIES, ASSIGNMENTS, COMPROMISES.**

A. DEMERS & CO., general merchants, Chambly Basin, Que., have assigned to Lamarche & Benoit. Thos. Roy, machinist, St. Jude, Que., has assigned.

J. T. Pouliot, general merchant, L'Islet, Que., has assigned.

Anthime Jacques, general merchant, Lotbiniere, Que., has assigned.

A. W. Pallascio, hardware dealer, Montreal, is seeking an extension.

Joseph A. Otton, stove and tinware dealer, Barrie, Ont., has assigned to J. Buck.

E. A. Cote, general merchant, Papineauville, Que., has assigned to Kent & Turcotte.

Stade & Stumpf, general merchants, Elmwood, Ont., have assigned to Henry H. Miller.

Roderick K. Byrne, manufacturer of ranges, Ottawa, Ont., has assigned to T. W. McDermott.

J. N. Lamy, dealer in agricultural implements, Yamachiche, Que., is offering 25c. on the dollar.

Geo. Barrington, Sons & Co., trunk manufacturers, Montreal, have filed consent of assignment.

Joseph Letendre, of Letendre & Rosseau, general merchants, St. David, Que., is offering 70c. on the dollar.

Z. Harvey, general merchant, St. Hilarion, Que., has assigned, and a meeting will be held on December 20 to appoint a curator.

Adelard Gregoire, dealer in agricultural implements, St. Maurice (Champlain Co.) Que., has assigned, and M. Fontaine has been appointed curator.

PARTNERSHIPS FORMED AND DISSOLVED.

Ponton, Thivierge & Co., founders, Chambly Basin, Que., have dissolved.

Plamondon & Pickard, general merchants, Wotton, Que., have dissolved, A. Plamondon, continuing.

J. D. Stovel, tinsmith, etc., Edmonton, N.W.T., has admitted C. F. Strang under the style of Stovel & Strang.

Melburne Walker, dealer in agricultural implements, Florence, Ont., has admitted Alfred Reeder under the style of Walker & Reeder.

J. L. Gibson, dealer in agricultural implements, Wolseley, N.W.T., has admitted D. Campbell, and will open a branch at Sintaluta.

J. Bte. Phaneuf and Alphonse Phaneuf have registered partnership under the style of J. B. Phaneuf & Fils, sawmillers, St. Denis, Que.

The Sylvester Bros. Manufacturing Co., manufacturers of agricultural implements,

Lindsay, Ont., have dissolved, Robt. Sylvester retiring, and Richard Sylvester continuing under the same style.

SALES MADE AND PENDING.

Benj. Starratt, general merchant, Paradise, N.S., has sold out.

Colin E. McPherson, general merchant, Glanworth, Ont., has sold out.

Mackay & Co., general merchants, Frankville, Ont., have sold out.

C. Young, sawmiller, Young's Point, Ont., is advertising his mill for sale.

The plant of The Barrie Electric Light Co., Barrie, Ont., has been sold to the town.

Chas. Pearson, general merchant, Cedar Hill, Que., has sold out at 69c. on the dollar.

The assets of J. N. Duguay, general merchant, Fraserville, Que., are to be sold on the 16th inst.

CHANGES.

W. H. Duncan has opened out as harnessdealer in Austin, Man.

Bole & Duke, blacksmiths, Rapid City, Man., have sold out to W. Houlding.

B. Leduc & Co., carriagemakers, Montreal, have opened a branch at Quebec.

F. X. Cote, general merchant, Lyster, Que., has been succeeded by J. E. Legare.

The Newfoundland Pyrites Co., Ltd., St. Johns, Nfld., is applying for incorporation.

The J. B. B. Stouffer, Manufacturing Co., Limited, Berlin, Ont., has been incorporated.

The Retail Co. are applying for incorporation as general merchants in Morden, Man.

The Electric Light Co., of the village of Megantic, Que., has made application for incorporation.

H. Wilson & Son, general merchants, Markham, Ont., have been succeeded by E. H. Wilson & Co.

FIRES.

The factory of F. C. Marquis, manufacturer glue, Quebec, has been burned; no insurance.

The factory of The Diamond Glass Co., Ltd., Montreal, has been slightly damaged by fire; fully insured.

DEATHS.

Chas. Campbell, merchant, Kuskanook, B.C., is dead.

J. F. Young, hardware dealer, Gravenhurst, Ont., is dead.

Allan McKenzie, manufacturer pumps, Port Stanley, is dead.

David R. Grant, general merchant, Bridgeville, N.S., is dead.

J. L. Sheldon, Aylmer, Ont., has disposed of his interest in the Aylmer iron works to E. C. Jenkins, of Springfield, Ont.

Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring. "The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

BALL BEARINGS

Largest Variety, Toilet, Hand, Electric Power

ARE THE BEST.

Highest Quality Grooming and Sheep-Shearing Machines.

WE MAKE THEM.

SEND FOR CATALOGUE TO American Shearer Mfg. Co., Nashua, N.H., U.S.A.

COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.

Coates Clipper Mfg. Co. WORCESTER, MASS.

McLaskill, Dougall & Co
Fine Varnish & Japan
Manufacturers
Montreal
Price Lists on application

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Write today for a free copy of our interesting books "Inventors Help" and "How you are squandered." We have extensive experience in the international patent laws of 50 foreign countries. Send sketch, model or photo for free advice. **MARION & MARION, Experts,** New York Life Building, Montreal, and Atlantic Building, Washington, D.C.

AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods
We make a specialty of.... Can ship promptly and supply the very best

"Hand Shaved"

Octagon Axe Handles

Made by Indians

being the largest dealers in Canada in this line
Can give exceptional value.
Have 5,000 dozen of these handles on hand, ready for polishing.
Write for prices.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.



EMERY

Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d, 6d.
and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality
for general and
special purposes

EMERY GRINDING MACHINERY



Write for Latest Catalogues and Samples to

THE LONDON EMERY WORKS CO.,

10-12 Vine Street
Clerkenwell,

LONDON, E.C.

Rodgers' Cutlery

*Has stood the test of over
two centuries. None genuine
without our Corporate Mark—
granted 1682.*



DAVID MAXWELL & SONS,

ST. MARYS, Ont., Can.



Lawn Mowers.

High and Low Wheel, from 12 to 20
inch sizes. Cold rolled steel shafting.
Crucible steel knives and cutting plate. First-class workmanship in every respect.

Churns.

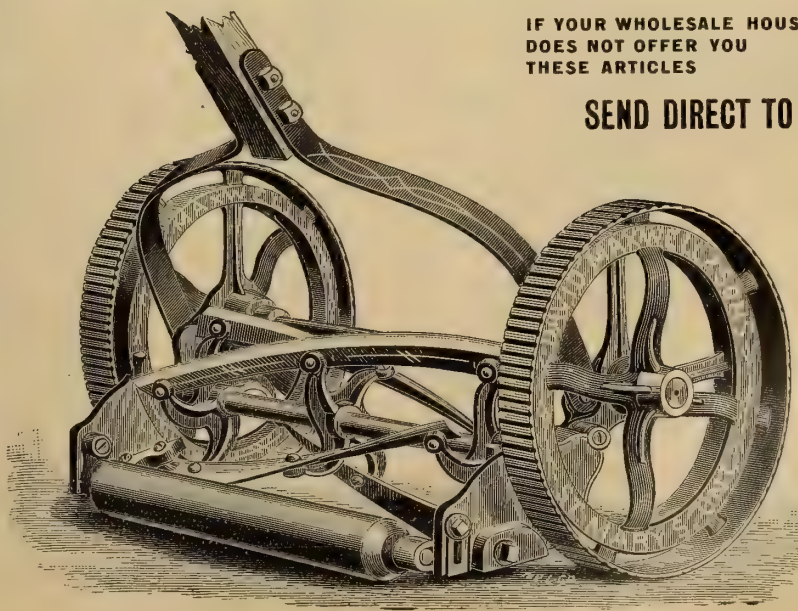
PATENTED FEATURES: "Improved Steel Galvanized Stand,"
"Roller Bearings" and "Foot and Hand Lever Drive."

Wheelbarrows.

ALL SIZES.

IF YOUR WHOLESALE HOUSE
DOES NOT OFFER YOU
THESE ARTICLES

SEND DIRECT TO US.



WINDOW DISPLAYS OF SEASONABLE GOODS.

THE recent great snowstorm and the accompanying cold weather have had an excellent effect on trade. The demand for sleighing appurtenances, robes, blankets, bells, etc., has been very brisk during the past week or so. A scarcity of bells is feared by one large retailer, at least. The demand for these goods makes it advisable, if not imperative, to keep before the public eye an idea of the range of these goods carried.

An effective display of these goods can be made in a very simple manner. The blankets may be hung up all along the back of the window in such a way as to show off their size and appearance, care being taken to have as large a range of values and prices shown as possible. If the window is a corner one the back and inner side may be covered with these blankets. The robes can be shown to advantage by making a platform two or three feet high, and have the robes run from the floor up this platform, and on it for a foot or two. The end on the platform should be turned back, so as to show the inside as well as the outside of the robes. In front of these driving mitts and gloves might be displayed on a couple of conical shaped stands, each about two feet high. Strung from one of these stands to the

other the bells would not fail to be noticed. In many ways they could be used to lend to the display a brightness which would be lacking without them.

There seems to be great activity in the demand for skates, too, just now. The demand in Toronto and in most of the larger towns of Ontario seems to be turning almost entirely to the hockey skate, to the exclusion of the long-popular spring skate. This points towards a greatly increasing popularity of the game of hockey. This popularity should be encouraged in every way by hardwaremen. The results, in the increased demand for hockey skates and sticks, will justify any labor spent to make the game popular.

There are many ways of displaying skates. They can be shown well by means of stands, by attaching to the back and inner side of a window or by a simple arrangement on the floor. As a general rule, when skates are shown, so should hockey sticks, skate straps, sharpeners, etc.

Crosscut saws, axe heads, axe handles, etc., are also moving briskly. I saw them shown prominently in several of the city windows this week.

Would it not be good policy for a country merchant to have a saw-and-axe week,

when a slight cut be made in these lines, and, by creating the impression of a special sale, create a special demand for these goods?

A striking exhibit is made by having a stand or skeleton stand run from the bottom of the front of the window to the top of the back. This stand should be covered by dark material. The bottom should be strong enough to support a row or two of axes. Above these, the saws can be fixed.

These articles are all staples, but good displaying and advertising should lead to an increase in their trade.

THE RAMBLER.

SURVEYING FOR A SMELTING FURNACE.

A special despatch to The Halifax Herald from Sydney, Cape Breton, says: "The survey for the site of the iron smelting furnaces, promoted by H. M. Whitney, are progressing favorably, and it is generally understood the report will be highly favorable to the Sydney site. In consequence, real estate is taking a great boom, and increased 40 per cent. within the last month. It is estimated the smelting furnaces will engage 3,000 men, and building operations in the spring will make times brisk in Sydney. Old Sydney pier has been surveyed with a view to using it for shipping the products of the furnaces."

CORDAGE . .

ALL KINDS AND FOR ALL PURPOSES.

Manilla Rope
Sisal Rope
Jute Rope
Russian Rope
Marline
Houseline
Hambroline
Clotheslines

Tarred Hemp Rope
White Hemp Rope
Bolt Rope
Hide Rope
Halyards
Deep Sealine
Ratline
Plow Lines

Lath yarn
Shingle yarn
Bale Rope
Lariat Rope
Hemp Packing
Italian Packing
Jute Packing
Drilling Cables and

Spun yarn
Pulp Cord
Lobster Marline
Paper Cord
Cheese Cord
Hay Rope
Fish Cord
Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable. Orders will not be accepted for second quality or "mixed" goods.

CONSUMERS CORDAGE COMPANY, Limited

WM. B. STEWART, Agent, 20 Front St. E., TORONTO.

TEL. 94.

Montreal, Que.



Ontario Nut Works, Paris
BROWN & CO.

Manufacturers of
All sizes of Hot Pressed
Nuts, Square and Hexagon

KNOX HENRY.

Heavy Hardware and Metal Broker
Room 220 1/2 Board of Trade, MONTREAL.

SPECIALTIES—C Brand Horse Nails—Canada
Horse Nail Co.

BOLTS—Tire and Stove Rivets of all kinds—
Chalcraft Screw Co.

BRASS GOODS—Gunn Castor Co., Limited,
Birmingham, Eng.

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
Second Pressure

In cases of 2 tins and in barrels. Stocked
by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.
LIMITED

B. & S.H. THOMPSON & CO.

Agents for Canada

MONTREAL

ADAM HOPE & CO.

30 JOHN STREET

Hamilton

Offer for Prompt Shipment

CANADA PLATES

ALL BRIGHT, 18 X 24 and 18 X 21
HALF BRIGHT, " "

Galvanized Iron,
Queen's Head and Juniata.

BOLTS STOVE TIRE

RIVETS OF ALL KINDS.

Montreal Agent—KNOX HENRY,
Board of Trade Bdg.

Toronto Agent—LOUIS HUFFMAN,
1634 King Street West.

CHALCRAFT SCREW CO.

BRANTFORD, ONT.

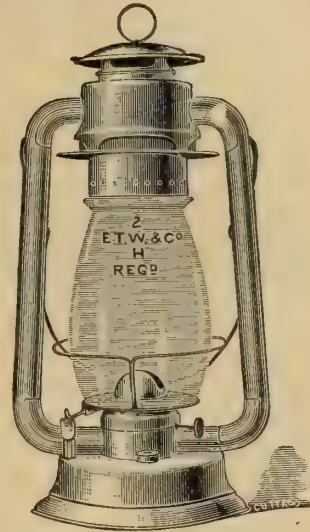
We are the Oldest and Largest Manufacturers of

SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you
want proper goods at proper prices you should write us,
which please do if interested.

The...

John Morrow Machine Screw Co.
Ingersoll - Ontario.



The Best in the Market.

E. T. WRIGHT & CO.

Hamilton,

Canada

Make Your Christmas Advertising Pay



NO. 1.



NO. 2

by using some
good, attractive, seasonable cuts,
such as these.

We guarantee shipment of cuts same day as order is received.

The MacLean Publishing Co.

LIMITED

TORONTO

PRICES :

No. 1. Single Col. \$1.00

No. 1. Double Col. 1.25

No. 2. Single Col. 1.00

Cash must accompany order.)

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Dec. 16, 1898.

HARDWARE.

THERE is a quiet trade doing in hardware at the moment, largely in a sorting way, in cutlery and other similar goods for which demand is always felt at holiday time. Otherwise business is almost nil and all houses here are busy stock-taking and expect to be so occupied for a fortnight on from now. Values show no special change in any line.

BARB WIRE — Remains dull and prices unchanged on the basis of \$2 f. o. b. Montreal.

PLAIN WIRE — Little or nothing doing, and discounts are unchanged. We quote: Oiled and annealed, 37½c., and galvanized, 30 per cent.

WIRE NAILS — Inquiry has been less active, and the range is unchanged. We quote \$1.70 to \$1.75.

CUT NAILS — Demand is restricted to a few small lots, and we quote the base \$1.75 f. o. b. Montreal, Toronto, Hamilton and London.

HORSE NAILS — Very few of these are moving, and discounts are 50 per cent. on Standard, and 50 and 20 on Acadia brand.

HORSESHOES — Only a quiet trade is reported. We quote as follows: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35; toe weight, \$5.50.

SCREWS — Moving in a small way. Discounts are: Flat head bright 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS — The same remarks apply to these. Discounts are as follows: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5; tire bolts, 70 and 5, and sleighshoe bolts, 80 per cent.

RIVETS — A quiet demand is experienced. Discounts: Iron, black and tinned, all sizes,

65 per cent. Copper rivets and washers, 45 per cent.

CORDAGE — Demand is slack and values have an easy tendency, though quotably unchanged. We quote as follows: Sisal, 7-16 and up, 10c.; ¾, 10¼c.; 5-16 and ¼, 11c., and 3-16, 11¼c. Manilla was unchanged: 7-16, 11½c.; ¾, 12¼c.; 5-16 and ¼, 13c., and 3-16, 13¼c.

CHURNS — Remain as last reported.

CLOTHES WRINGERS — Without special feature.

BUILDING PAPER — Prices remain unaltered and trading is light. We quote as follows: Tarred fibre, 45c.; dried ditto, 35c.; tarred sheathing, 30c.; dried, ditto, 25c.; tarred roofing, \$1.20.

HINGES — Nominally the same; 6 to 12 inch, \$3.50 per 100 lb.; 14 inch, \$2.50; screen door, \$6.50 per gross, and T and strap, 70 and 10 per cent. off the list.

CUTLERY — There is an active sorting demand for case table cutlery and also for fine pocket cutlery.

SPORTING GOODS — Firearms and ammunition are moving with some freedom.

Seasonable Goods.



Decorated { Enamelled
Wares.
... Canadian Make.

A large assortment of
**TEA and COFFEE POTS,
Sugar Bowls, Butter Dishes,
CUPS, PLATES and SAUCERS,
TOILET SETS, Etc.**

Order early for your
Christmas Trade.

Perfection Kettles.

NICKEL PLATED.

For Base Burners
Flat Bottom.

FOUR SIZES.

Nos. 4, 5, 6, 7.

Body made of one piece
with neat bent spout.
Handle made with rod in
one piece — cannot fall
apart.

Let us send you a
Sample of each size.



TURKEY TIME.

Famous { SELF
BASTING

...Roasting Pan

THREE SIZES.

	Length	Width	Depth	List Price
No. 20	14	10	7	\$0.80
No. 30	16	11½	8	1.00
No. 40	18½	12½	9	1.20

Self Basting.

The condensed steam drips
from the Indented Cover,
continually basting the contents of
pan.

Wire shoes on bottom of pan
prevent burning on the bottom.
No inside tray to collect dirt.

Easily Cleaned.
Properly Ventilated.



The McClary Manufacturing Company

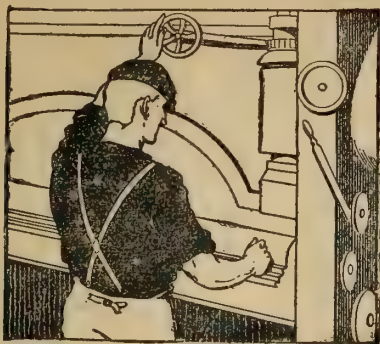
LONDON

TORONTO

MONTREAL

WINNIPEG

VANCOUVER



Other things equal, the man, who uses Apollo galvanized iron, makes the most money.

Apollo Iron and Steel Company
Pittsburgh

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

FACTORIES

...MONTREAL

CUT NAILS

Clinch and Pressed Nails, Horse Shoes (Steel and Iron), Railway and Pressed Spikes, Mine and Wharf Spikes, Drift Bolts, Washers (Steel and Iron).

CANADA IRON FURNACE CO.,

Manufacturers of

Limited

CHARCOAL Pig IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que.
Lac a lac Tortue.

Three Rivers.
Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

CEMENT—Several inquiries from the west for round lots, for prompt delivery, are reported, and will likely result in business. Quotations are now given, ex store, as follows: English, \$2.35 to \$2.45; German, \$2.50 to \$2.60, and Belgian, \$1.90 to \$2.10.

FIREBRICKS—Are steady, the range, ex store, being \$18.50 to \$24.

METALS.

The metal market does not reflect any very material change, business all round being quiet.

PIG IRON—There has been some talk of lower prices on pig iron, but we do not hear of any actual change. We quote as follows: No. 1 Hamilton, \$15.25 to \$15.50; No. 2, \$14.75; Ferrona \$14.75 to \$15; Siemens, \$14.75 to \$15, and Summerlee and equal brands, \$18, ex wharf, and \$18.50 to \$19 ex yard.

BAR IRON—Trade moderate and values unchanged at \$1.40.

HOOPS AND BANDS—Quiet and steady as last reported at \$1.75 to \$2.

SHEET STEEL—Firm with little moving. We quote: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50 18 to 20, \$2.30; 22 to 24, \$2.45 26, \$2.55, and 28, \$2.80.

SHEET IRON—Dull and unchanged. We quote as follows: \$2.10 on 10 to 16 gauge; \$1.80 on 18 to gauge; \$2 on 22 to 24 gauge; \$2.10 on 26 gauge, and \$2.15 on 28 gauge.

GALVANIZED IRON—Business is light and values unaltered. We quote: "Queen's Head," No. 28, \$4 to \$4.15; and "Comet," No. 28, \$3.75.

INGOT COPPER—There is nothing striking to report, prices remaining at 13c.

SHEET COPPER—Quiet. We quote: 16-oz., 16c., and 14-oz. 17c.; tinned copper, 16-oz., 18c.; 14-oz., 18½c., and planished 14-oz., 24c.

INGOT TIN—Firm and unchanged. We quote: Straits, 19c., and Lamb and Flag, 20½c.

PIG LEAD—Little or nothing doing and values range from \$3.70 to \$3.80.

IRON PIPE—There is still a fair inquiry for iron pipe. We quote: Black pipe, ¼-inch, ⅜-inch, and ½-inch, \$2.35; ¾-inch, \$2.80; 1-inch, \$3.85; 1¼-inch, \$5; 1½-inch, \$6.70, and 2-inch, \$9. Galvanized, ½-inch, \$3.95; ¾-inch, \$4.80; 1-inch, \$6.65; 1¼-inch, \$9.15; 1½-inch, \$11.75, and 2-inch, \$16.

LEAD PIPE—A moderate inquiry is noted at 7c. for ordinary, 7½c. for composition waste, with 25 per cent. discount.

CANADA PLATE—Quiet and steady. We quote as follows: 52's, \$2.15; 60's \$2.30; 75's, \$2.35; full polished, \$3; galvanized Canada plate, 52's, \$3.75.

TINPLATE—Quiet and steady. We quote as follows: Coke, I. C., \$2.90

**IRON
STEEL
TINPLATES
WIRE, Etc.**

A. C. LESLIE & CO.

Importers

MONTREAL

Sanderson's Tool Steel in stock.

Cow Ties.

ALL KINDS

ALL SIZES

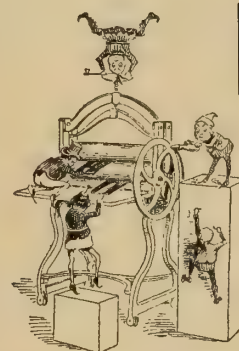
IN STOCK.

STALL FIXTURES.

The B. Greening Wire Co.

LIMITED

HAMILTON, ONTARIO.



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited

Cor. Bay and Murray Streets

HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

to \$3.25; charcoal, I. C., Allaway or Comet brands, \$3.25; do, I. X., \$4.10 to \$4.25; Lincoln, \$3.50; P.D. Crown, I.C., \$3.95; do. I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Without feature at \$6 to \$6.25.

COIL CHAIN—Some inquiry is reported for coil chain. We quote: $\frac{1}{4}$ -inch, \$4.75; 5-16, \$3.50; $\frac{3}{8}$, \$3.15; 7-16, \$3; $\frac{1}{2}$ -inch, \$2.80, and $\frac{3}{4}$ up, \$2.80.

SHEET ZINC—Firm at $6\frac{1}{2}$ to $6\frac{3}{4}$ c.

SOLDER—As last noted, at $12\frac{1}{4}$ c.

ANTIMONY—Dull and unchanged, at $9\frac{1}{4}$ to $9\frac{1}{2}$ c.

SPELTER—Dull. We quote: Vielle Montague at \$6 to \$6.25, and American at \$5.50 to \$5.85.

GLASS.

The market has ruled quiet, but prices are very firm as the bulk of the stock here has been cleaned out. We quote: First break, \$1.80; second, \$1.90 per 50 feet; first break per 100 feet, \$3.50; second, \$3.75; third, \$4; fourth, \$4.25; fifth, \$4.75; sixth, \$5.25, and seventh, \$5.75.

PAINTS AND OILS.

There has been no feature in the paint trade during the past week, beyond some important transactions in paris green. The general quotations continue very high, especially for zinc paint, and the likelihood is that the beginning of January will see some advance in prices. In fact turpentine is 2c. per gallon higher this week. In the meantime, there is very little business passing.

WHITE LEAD—Best brands, Government standard, \$5.62 $\frac{1}{2}$; No. 1, \$5.25; No. 2, \$4.87 $\frac{1}{2}$; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, $4\frac{1}{2}$ c.; kegs, $4\frac{3}{4}$ c.; No. 1, casks, $4\frac{1}{4}$ c.; kegs, $4\frac{1}{2}$ c.

WHITE ZINC PAINT—Pure, 7c.; No. 1, $6\frac{1}{4}$ c.; No. 2, $5\frac{1}{2}$ c.

PUTTY—We quote: Bulk, \$1.65; bladders, in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 50c.; boiled, 53c., five to nine-barrels, 1c. less, ten to nineteen, 2c. less, and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 59c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at $8\frac{1}{4}$ to $8\frac{1}{2}$ c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, $4\frac{1}{2}$ to $5\frac{1}{2}$ c. for colored, and 7 to 8c. for

white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

PETROLEUM.

The chief feature of the petroleum market has been a decline in the Canadian, "Crown Acme" being quoted at $15\frac{1}{2}$ c., all other sorts ruling steady. We quote as follows: "Crown Acme," the new Sarnia oil, is selling at $15\frac{1}{2}$ c. in small quantities; Canadian refined, 14c.; American prime white, 17c.; water white, 18c.; Pratt's astral, $19\frac{1}{2}$ c.

ASHES.

There has been a fair movement in ashes lately, and we quote: First pots, \$4.40; seconds, \$4.10, and pearls, \$5.25.

HIDES.

Are unchanged as follows: Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3, 7c. Lambskins, 65 to 70c.

ONTARIO MARKETS.

TORONTO, Dec. 16, 1898.

HARDWARE.

THE wholesale hardware trade is gradually falling off, as is usual at this season, but, notwithstanding this, the decreased business is not as great as might be expected. Indeed, the general opinion is that business is keeping up remarkably well. The wire nail trade is keeping up fairly well, and a good many retailers appear to be stocking up in order to protect themselves against a possible advance in prices. Horseshoes and horsenails continue in good demand. A good business is being done in screws, and business is being well maintained in stove bolts, but in rivets and burrs trade is only moderate. Rope is dull and lower. Churns are going out well. The same may be said of snowshovels. A good business is being done in cutlery. Payments are fair.

BARB WIRE—There is practically no business being done, but the market has a firm tone. We quote: Four point, \$1.80 f.o.b. Toronto and \$1.85 f.o.b. London; two point at \$1.90 f.o.b. Toronto. Terms, 30 days or 2 per cent. 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—Nothing doing. Discounts are: Annealed, oiled and annealed, bright wire, coppered steel and spring, $37\frac{1}{2}$ per cent. discount off the list, with allowance of freight up to 20c. per 100 lb.; galvanized, 30 per cent.

WIRE NAILS—The demand is still fair. Retail dealers are protecting themselves against a possible advance, and some car-load lots have gone out during the past week, which has been something unusual lately. Sales by manufacturers during November appear to have been larger than during same month last year, as far as can be ascertained. A good many orders have

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for
Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and
Glass Cloths and Papers, etc.

Wellington Mills, London, England

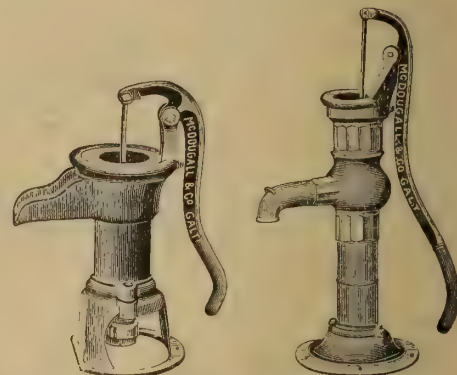
REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL

The Ontario Mercantile Agency (Limited)

18 Wellington Street East, TORONTO.

Collects accounts anywhere. Fees for current accounts 10 per cent. of amount collected. No fee less than \$1. Prompt returns. Report to you monthly. References given. Try us.



Force
Lift
Cistern

Pumps

Iron or Brass.
One quality only.
The Best.

Prices Right.

The R. McDougall Co., Limited, Galt, Canada

ILLINOIS CUTLERY CUTS!



No. 1 Bread Knife Set.

One each, Bread, Cake and Paring Knife, malleable handles firmly riveted to steel blades, will cut hot or cold bread without crumbs. Each set in paper box.

PAT. AUG. 15, 1893.



Combined Grater and Slaw Cutter.

The only one; slicer and grater are detachable; slicer sheet made of Apollo galvanized iron with steel cutting blades. It will slice cabbage apples, potatoes, cucumbers, onions, turnips, beets, and everything in the vegetable line. It is a time and labor saver; is used in the kitchen every day.



Famous Parer and Slicer.

Polished beech handle, nickel plated steel blade and ferrule, takes off an even peel, easily sharpened and cleaned. The best paring knife for potatoes, apples, pears, turnips, quinces and firm peaches. Write for our catalogue.

Sole Canadian Agents, Squire, Watson & Co., Montreal, Canada; Chas. E. Santo, London, Canada.

ILLINOIS CUTLERY COMPANY,

Decatur, Ill., U. S. A.

been booked for future delivery. The base price Toronto, is \$1.75 per keg, but this price can be shaded for quantities.

CUT NAILS—Still quiet. Base price \$1.75, Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—Business keeps good. Discounts are: Standard, oval head, 50 per cent. Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—An active trade is still to be noted. We quote as follows: Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—A good trade is being done. One of the features of the trade in this line is activity in the demand for hockey skate screws. Discounts are: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—There is a fair business still being done in stove bolts, but in other descriptions of bolts there is not much doing. We quote: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¾c.; hexagon, 5¼c.

RIVETS AND BURRS—There is not a great deal doing. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE—Business is still dull, and another decline in prices is to be noted. We quote: Sisal, 7-16 in. and larger, 9¾c.; ¾ in., 10¼c.; ¼ and 5-16 in., 10¾c.; Manilla, 7-16 in. and larger, 10½c.; ¾ in., 11c.; ¼ and 5-16 in., 11¼c.; deep sea line, 13½c. for water laid, and 14¼c. for machine-made; hemp, 7 to 9c; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—Trade keeps fair. We quote as follows: Rope halters, ¾ in., \$8.25 to \$8.50 per gross; ½ in., \$9.25 to \$9.50; ¾ in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼ in.,

PERMANENT BEAUTY

What everyone wants in an interior finish is assured by using

OUR

METALLIC CEILINGS and WALLS

Then disfiguring cracks and dropping plaster are impossible—they can be cleaned without hurting the decoration—are fire-proof, easily applied and strictly sanitary—and may be had in different artistic patterns to suit any class of room.

Your customers will appreciate their reliable value—send for our catalogue and price list, and be ready to supply them.



Sample Design, Plate No. 229.

The METALLIC ROOFING CO., Limited

1179 King Street West, TORONTO

\$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—A good business is being done. We quote delivered from stock in Ontario: No. 0, \$2.85; No. 1, \$3.05; No. 2, \$3.25; No. 3, \$3.60; No. 4, \$4.35; No. 5, \$5.75.

CLOTHES WRINGERS—Business fair. We quote: "New Leader," "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BELTING—Business is moderate. We quote: Agricultural, 60 and 10 per cent.; Standard, 50, 10 and 5 per cent., extra, 55 per cent. Rubber belting: "Lion" and "Star," 57½ to 60 per cent.; "Red Strip," 45 to 47½ per cent.

BUILDING PAPER—Not much doing. We quote as follows: Plain building, 28 to 30c. per roll; tarred lining, 35 to 37c., according to quality; tarred roofing felt, \$1.45 to \$1.50 for 10 oz. and \$1.50 to \$1.60 for 16 oz. per 100 lb.

SNOW SHOVELS—The demand for these during the past week has been active at from \$2 to \$3.50 per dozen.

FURNACE SCOOPS—Trade is fair at \$6.60 per doz.

CUTLERY—A good trade has been done during the week in all seasonable lines.

SPORTING GOODS—Ammunition and guns are still going out in fair quantities.

STOVES—Not many new orders are now being received by the manufacturers, and the season is now practically over. The manufacturers are, however, being kept busy completing old orders.

FALL SPECIALTIES—A few coal hods, stove boards and stove furnishings are still

going out, but the volume of business is light.

ENAMEL WARE—A fair business is being done in decorated lines for the holiday trade, but in ordinary enamel ware there is very little doing.

CEMENT—There is hardly anything doing. Prices are firm. We quote in barrel lots as follows: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; German, do, \$3; Belgian do., \$2.50; Canadian hydraulic cements, \$1 to \$1.10; calcined plaster, \$1.90; asbestos cement \$2.50 per bbl.

METALS.

The metal market does not show any material changes since a week ago, prices remaining steady, as a rule.

PIG IRON—The market has a firm undertone. One thousand tons of No. 2 Hamilton iron were offered within the last few days at \$13.50. For smaller quantities \$14 appear to be the idea. We quote as follows: Hamilton iron on track Toronto at \$14 for No 2, and \$13.50 for No. 3. United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80.

BAR IRON—Trade is just fair. Base price \$1.45 from stock and \$1.35 from factory.

BAND IRON—Quiet. We quote: \$1.65 to \$1.75 per 100 lb. for Canadian and \$2 for imported.

SHEET STEEL—Dull. We quote as follows: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28,

\$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Dull. We quote as follows: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—A good many orders are being booked for shipment in the spring; in fact, more than usual. For prompt shipment, there is not a great deal being done. We quote: Queen's Head, 16 gauge, \$3.75; 18 to 24, \$4; 26 gauge, \$4.25; 28 gauge, \$4.50. American makes, 16 gauge, \$3; 18 to 24, \$3.15; 26 gauge, \$3.40; 28 gauge, \$3.75. In "Queen's Head," less than case lots, are quoted 25c. per 100 lb. higher than above figures.

INGOT COPPER—Trade has picked up a little during the past week, and there is now a fair trade being done. Sheet copper is also in fair request. Ingot copper is unchanged at 13 to 13½c. per lb. The outside markets are fairly steady, but quiet.

INGOT TIN—Trade is fair. We quote: Straits, at 21c., and Lamb and Flag at 21½c. per lb. London cables are a little easier, but New York remains steady.

PIG LEAD—Trade is slow; 4c. is still the idea as to price for imported. The New York market is a little firmer in consequence of more inquiry.

LEAD PIPE—Business keeps moderate. We quote: Ordinary pipe, 7c., and composition waste, 7½c., with 25 per cent. discount.

IRON PIPE—The demand has fallen off a little, but there is still a good business being done. We quote: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.25 to \$2.30; ½ inch, \$2.30 to \$2.35; ¾ inch, \$2.80; 1 inch, \$3.95; 1¼ inch, \$5.20; 1½ inch, \$6.75; 2 inch, \$9.10. Galvanized, ½ inch, \$3.95; ¾ inch, \$4.80; 1 inch, \$6.75; 1¼ inch, \$9.15; 1½ inch, \$11.75; 2 inch, \$16.

RANGE BOILERS—Trade is fair. We quote: Galvanized, 30 gals. \$5.25; 35 gal., \$6;

40 gal., \$7; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES—Trade is fair for this time of the year. We quote: All-bright, \$2.85 to \$3; half-polished, \$2.35; all-dull, \$2.25.

TIN PLATES—There is not much being done in the way of prompt shipments, but, for import in the spring, a good many orders are being booked.

COIL CHAIN—Quiet. We quote as follows: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; 5/8 in., \$2.80; ¾ in., \$2.75.

SHEET ZINC—Trade is quiet and prices unchanged. We quote 7¼c. for cask lots and 7½c. for smaller lots.

ZINC SPELTER—The outside markets are a little irregular. Locally, trade is quiet and prices unchanged at 5¼ to 6c. for imported.

SOLDER—The demand is fair. We quote: Half-and-half, 13½ to 14c.; standard, 13 to 13½c.; wire, 13c.; wiping, 11½c.

PAINTS AND OILS.

There is little movement to note. A steady advance in the primary markets has compelled jobbers to make an advance of 2c. in turpentine this week. Further advances are anticipated. The prices of all other staples are firm, and no change in prices is noted. We quote as follows:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lb., \$4.75; ditto, No. 1, in casks of 560 lb., \$4.50; genuine, in kegs of 100 lb., \$5; ditto, in kegs of 100 lb., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lb.; 50c. per 100 lb. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 51c.; boiled, 1 to 4 barrels, 54c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 59c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

There is a fairly good demand for window glass. Prices are firm. An advance is noted for all descriptions of enamelled and colored fancy glass. The demand for this class of goods has been unusually brisk. We quote window glass as follows: Star, first break in 50-foot boxes, \$1.80, and in 100-foot boxes, \$3.50; double diamond under 25 united inches, \$5.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL

The demand for all metals is brisk. Scrap rubber is easy, a decline of ¼c. being noted. We quote as follows: Agricultural scrap, 40c. per cwt.; machinery cast, 52c. per cwt.; stove cast

Hockey Skates.

THEILE & QUACK'S goods are second to none. Made in all varieties of quality and finish. **LARGE STOCK ON HAND.**



LAMPLOUGH & McNAUGHTON - MONTREAL

scrap, 30c.; No. 1 wrought scrap, 40c. per 100 lb.; new light scrap copper, 8c. per lb.; bottoms, 8c.; heavy copper, 8¼ to 8½c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2¼c.; scrap rubber, 3½ to 3¾c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

HIDES, SKINS AND WOOL

HIDES—No change in price. Market is easy. We quote: No. 1, 8½c.; No. 2, 7½c.; No. 3, 6½c.; cured, 9c.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—Shearlings and lambskins are firm at 80c.

WOOL—The market is dull at 15c. for fleece and 10c. for unwashed.

SEEDS.

The usual quietness at this time of the year is now in evidence, and the movement is light. Prices are steady. We quote alsike at \$2.50 to \$4.50, with slightly more for strictly choice samples. Red clover is worth all the way from \$3 to \$4.50.

COAL.

The scarcity of small sizes is not so keenly felt this week. Prices are unchanged. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 and per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

PETROLEUM.

The demand keeps brisk. Prices are unchanged. We quote at Toronto: Canadian, 13½c.; Sarnia water white, 15c.; American water white, 16½c.; Pratt's astral, 16c., in bulk.

MARKET NOTES.

Rope is quoted ¼ to ½c. per lb. lower. Turpentine is 2c. per gallon dearer.

A good many import orders for galvanized iron and tinplates are being booked.


George H. Hees, Sons & Co., window shade manufacturers, Toronto, have purchased the building, 71 Bay street, which, after being overhauled, will be occupied by them as offices and showrooms.

In spite of the fact that the B. Greening Wire Co., Limited, of Hamilton, have already sold more cow ties than it did the whole of last year, it has been able to keep its stock complete and make prompt shipment of all sizes.

A NEW MANUFACTURERS' AGENT.

T. Mortimer, who for several years past has been manager of the cutlery department of Messrs. M. & L. Samuel, Benjamin & Co., Toronto, has started into business on his own account as

76,800 Daily Production.
5 Factories.
5 Brands
For Sale all over the world.



NICHOLSON
FILES

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of America.

NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited.

Established 1773

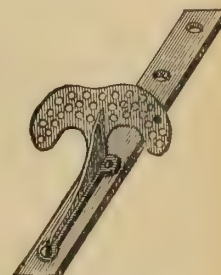
Manufacturers of **POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS.** Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass," St. Helens. Telephone No. 68 St. Helens.

STANDING SEAM SNOW SHOE IRONS

(PATENTED)

These irons are for standing seam metal roofs, the lugs shown clinching through the seam. No rails are needed if they are spaced properly, but the rail can be added if desired. We also make one for slate roofs, and besides acting as a snow breaker these irons improve the appearance of a building.



BERGER BROS. CO.

231 and 237 Arch Street

For Standing Seam

Factory at Germantown Junction.

Philadelphia.

For Slate Roofs

manufacturers' agent. He will devote his time to hardware, cutlery and specialties. Mr. Mortimer has had an experience of 26 years in the hardware trade, and in addition to his experience, he is an active and energetic man, and should do well. He at present has an office at 43 Adelaide street east, Toronto, but will remove to Front street after the opening of the new year.

PERSONAL MENTION.

Mr. Ralph B. Baker, one of the members of the office staff of The Vokes Hardware Company, Toronto, on Saturday last stepped on the upturned point of a 1½ inch wire nail, which penetrated his foot to a considerable distance.

Mr. M. Gleeson, of Greenwood, was a visitor to the city last week on a purchasing tour. He is opening a new store in Brougham. He recently purchased the premises occupied by T. B. Willis, and had them thoroughly overhauled. His two sons have been placed in charge of new store, and a bright future is predicted for them.

GOING INTO THE CASH BUSINESS.

Mr. Glendinning, of J. H. Glendinning & Co., hardware merchants, Sunderland, Ont., has been in Toronto a couple of days this week on business.

Glendinning & Co. have decided to adopt the cash system, and, after Jan. 1 next, they will sell for cash only. They are issuing a circular to their customers acquainting them with the fact.

HARDWARE AND METAL wishes them success.

NOT IN THE SHEAR COMBINE.

A rumor has been circulated to the effect that R. Heinisch's Sons Co., manufacturers of tailors' and trimmers' shears, Newark, N.J., were members of the new shear combination. To HARDWARE AND METAL the company denies emphatically the truthfulness of the rumor and states that it has been much annoyed by its circulation. The company has had an independent existence for 73 years, and its purpose is to continue to maintain it. As R. Heinisch's Sons Co. are the largest, as well as the oldest, shear manufacturers in the United States, they can, no doubt, maintain their independence.

BROCKVILLE BOARD OF TRADE.

The Brockville Board of Trade has been revived, and the best business men have endorsed it actively. At a meeting held on Monday night, it was reorganized, as follows:—President, John McLaren; vice-president, T. A. Bird; secretary-treasurer, R. A. McLelland; council, D. W. Downey, J. M. Gill, G. T. Fulford, A. A. Davis, R. Bowie, A. T. Willgress, D. B. Jones, J. M. McMullen, T. A. Buckman, W. H. Davis; board of arbitration, D. Derbyshire, H. S. Sheppard, Jas. Williams, F. G. McCready, Newton Cossitt, R. H. Gamble, J. C. O'Donahoe, W. H. Kyle, J. H. A. Briggs, A. G. Dobbie, R. Wright, J. R. Hodes. The board starts with a large membership.

MANITOBA MARKETS.

WINNIPEG, Dec. 12, 1898.

THE near approach of the holiday season has increased the demand for fancy lamps, silverware and plated ware of all kinds, and very choice stocks in these lines are being sold.

The first shipment of bicycles, 1899 model, arrived and were unloaded on Saturday. This sample would indicate that wheels are to be better and cheaper than ever during the coming season.

A very noticeable feature of the building in the city during the past season is the improved class of building hardware. Never, in the history of the city, has there been such a demand for what is known in the trade as art hardware.

Mr. J. C. Falls, manager and buyer for Geo. D. Wood & Co., and Mr. Hiram Miller, of Miller, Morse & Co., left for the east this week on purchasing trips. They will visit Montreal, Hamilton, Toronto and other centres.

The accompanying price list shows some very slight changes, but there will be no general change until after the New Year:

Barb wire, 100 lb.	\$2 40
Plain twist	2 40
Wire and staples	2 90
Oiled annealed wire	2 80
"	11
"	12
"	13
"	14
"	15
Wire nails, 30 to 60 dy, keg.	2 35
" 16 and 20	2 40
" 10	2 45
" 8	2 50
" 6	2 65
" 4	2 75
" 3	3 00
Cut nails, 50 and 60 dy.	2 15
" 20 to 40	2 20
" 10 to 16	2 25
" 8	2 30
" 6	2 35
" 4	2 60
" 3	2 85
" 3 fine	3 15
Horse nails, 45 per cent. discount.	
Horseshoes, iron, light, medium and heavy, keg.	4 00
Snow shoes	4 25
Steel, light	4 00
" extra light	5 75
Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	
Tool steel, Black Diamond, 100 lbs.	8 00
Jessop	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge	3 75
28 gauge	4 00
Galvanized American, 16 to 24 gauge	4 00
26 gauge	4 25
28 gauge	4 50
Genuine Russian, lb.	12
Imitation	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge	7 50
28 gauge	8 50
Tin plate, IC charcoal, 20 x 28, box	8 50
" IX	10 50
" IXX	12 50
Canada plate, 18 x 21 and 18 x 24	3 00
Sheet zinc, cask lots, 100 lbs.	7 00
Broken lots	7 50
Pig lead, 100 lbs.	4 25
Wrought pipe, black, 1/4 inch.	2 50
" 3/8 inch.	2 75
" 1/2 inch.	3 00
" 3/4 inch.	4 00
" 1 inch.	5 00

" 1 1/4 inch.	7 00
" 1 1/2 inch.	8 50
" 2 inch.	11 50
" Over 2 inch.	65 p.c.
Rope, sisal, 7-16 and larger.	11 00
" 3/8	11 50
" 1/2 and 5-16	12 00
Manilla, 7-16 and larger	12 50
" 3/8	13 00
" 1/2 and 5-16	13 50
Cotton, all sizes, lb.	15
Axes, per box	\$5.50 to 8 00
Screws, flat head, iron	85 p.c.
Round "	77 1/2 p.c.
Flat " brass	80 p.c.
Round "	72 p.c.
Bolts, carriage	60 p.c.
Machine	60 p.c.
Tire	55 p.c.
Sleigh shoe	65 p.c.
Rivets, iron	50 p.c.
Copper, No. 8, lb.	28c.
Spades and shovels	40 p.c.
Harvest tools	60 to 60-10 p.c.
Axe handles, turned, s. g. hickory, doz.	\$2 50
No. 1	1 50
No. 2	1 25
Octagon extra	1 65
No. 1	1 25
Linseed oil, raw, per gal.	58
" boiled	60
Ammunition, cartridges, Dominion R.F.	50 p.c.
Dominion, C.F., pistol	25 p.c.
" military	15 p.c.
American R.F.	35 p.c.
C.F. pistol	5 p.c.
C.F. military	Net.
Loaded shells, Robin Hood, M	\$20 00
Eley's 12 gauge, M.	16 00
American, M.	16 25
Shot, Ordinary, per 100 lbs	6 25
Chilled	6 75
Powder, F.F., keg	4 75
F.F.G.	5 00
Robin Hood	10 00
Tinware, pressed	70 and 30 p.c.
Granite ware, according to quality	50 to 60 p.c.

EARLIEST DAYS OF BIRMINGHAM INDUSTRY.

The first authentic reference to Birmingham as a hardware-producing centre appears in the "Itinerary of Leland," published in the year 1538. "I came," he writes, "through a pretty street as ever I entered into Bermingham towne. This street as I remember is called Dirtey (Deritend?). In it dwell smiths and cutlers. There be many smiths in the towne, that use to make knives and all manner of cutlery tools, and many lorimers that make bites, and a great many naylor, so that a great part of the towne is maintained by smiths, who have their iron and sea-cole out of Staffordshire." Some of the industries of Leland's day have been curiously dispersed to other districts—cutlery to Sheffield, bits to Walsall, and nails to the district around Dudley. A very rare topographical work, published in Oxford in the year 1627, mentions "Bremincham, inhabited with blacksmiths and forging sundry kinds of iron utensils." When Prince Rupert attacked Birmingham, the sword works of a certain Mr. Porter had furnished the Parliamentary army with 15,000 blades. In 1690, a book called "Missen's Travels" was published, in which "fine works of rock crystal, swords, heads of canes, snuff boxes and other fine works of steel" are mentioned among other specialties of Birmingham industry at that period.—Hardwareman.

BOKERS' GOODS.

The success which has brought Bokers' goods, and especially the cutlery, to the front is often erroneously thought to be due to the present agents, but such is not the case. The Bokers have had representatives in Canada for over 50 years, and some of their present accounts with the Canadian wholesalers (still existing) date as far back as 1852. Further, Bokers' goods are generally thought to come from one place, but this also is a mistake. There are a number of factories in which the family of the Bokers are interested, amongst which the cutlery factory of Henry Boker & Co., the hardware factory of Henry Boker, the steel and tool works of Bergis, the steel industry with M. Boker as manager, the Alexanderwerk, Louisenhutte, etc., are some of the leading ones.

Slowly and surely Bokers' goods have taken hold on the market, and are to-day considered standards, so that many competitors try to work on the Bokers' merits. Unfortunately, it is overlooked that the points of merit are not so easily copied, and and that a quality once found satisfactory cannot be replaced by a commoner line. To-day, the Boker razors, scissors and pocket cutlery and general lines of hardware have no competition of the same class from their country, though a number of German merchants are trying for some Canadian trade in commoner goods without any apparent success. It is alleged, in fact, that if it were not for Bokers' goods there would be very little German manufacture on this market, as the good quality and values of this maker induces buyers to try other German sources, which generally result in dissatisfaction.

HARDWARE IN VANCOUVER.

The following prices ruling on the Vancouver market are reported by The Province, that city:

Bar iron—Base, \$2.75; bar steel, Jessop's best, 14c.

Horseshoe nails, discount 40 per cent.; horseshoe, keg, \$4.75; screws, discount 75 per cent.; carriage bolts, 50 per cent. discount.

Nails—Base price: Cut, \$3; wire, \$3.25; rope, manilla, 12 1/2c.; boiled oil, 68c.; white lead, \$7; putty, \$3.50; barbed wire, \$4 per 100 lb.; glass, first break, \$4.25.

NORTHWEST TRAVELERS.

The members of the Northwest Commercial Travelers' Association intend having their annual entertainment this year at the Manitoba hotel on the 28th inst. It will take the form of a conversazione and a dance this year; and if it is up to the standard of entertainments generally prepared by the genial knights of the Northwest, it will be well worth attending.

JOHN BOWMAN HARDWARE AND COAL CO.

180 to 182 York Street

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Co's Celebrated

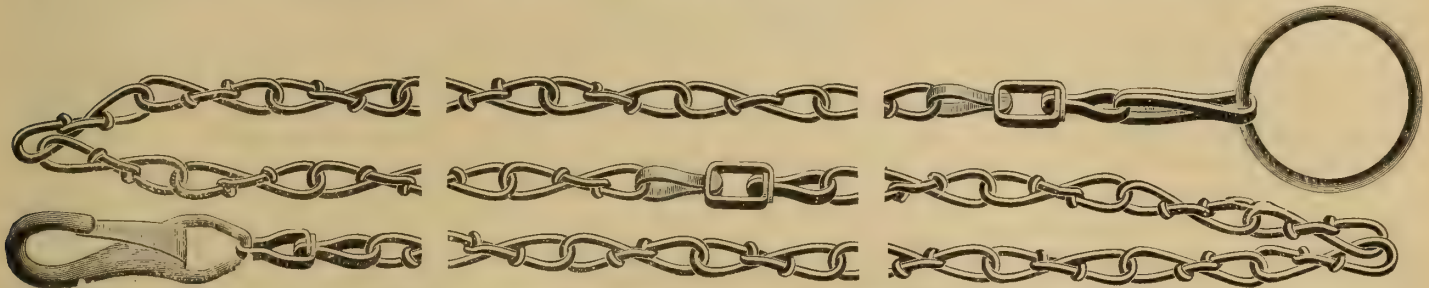
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Oneida Steel Wire Tie-Out.

For tethering cattle in fenceless pastures.
Made in all sizes. . .



No Rivets. No Malleable Iron. ALL BESSEMER STEEL.

Made in 20, 30 and 50 ft. lengths.

ONEIDA COMMUNITY, Limited

- - NIAGARA FALLS, ONT.

ABOUT HORSE-NAILS:—

Two-thirds of one cent represents very fairly, the total amount a farrier will apparently save on the average cost of nails consumed in shoeing a horse, by using the cheapest grade, and lowest priced horse nails sold in Canada, as compared with the cost of the best obtainable, viz.: the old and reliable "C" brand.

A 25-lb. box of No. 8 "C" brand oval head horse nails contains about 2,500 nails, which quantity will be sufficient to shoe seventy-eight horses, allowing 32 nails to each full set of shoes. The farrier will receive at least one dollar and twenty-five cents as his charge for each set of shoes; in some localities more; the total value of his services for shoeing 78 horses, will therefore, at current rates, average about one hundred dollars; on this amount it is possible he can reduce the cost of material used by about fifty cents, in substituting a box of "cold process" or other cheap grade horse nails, which are made from American Steel Wire Rods. **This reduction in cost represents about two-thirds of one cent on each set of shoes; or one-half per cent. on the value of the work when done!** We believe if these facts were made known, that every intelligent farrier in Canada, who takes a pride in doing only the best work, would not hesitate to pay such a trifling advance as two-thirds of a cent for the "C" brand nails, which we claim are not only the best in Canada, but are not surpassed by any other maker in the world. We have made and sold horse nails exclusively in Canada for the last 33 years, always using the best quality of Swedish Charcoal Iron Nail Rods as our material, and by our process of manufacture producing as perfect a nail as possible in quality, pattern and finish. A reduction in cost of manufacture by using other than the best Swedish material, or the "hot-forged" process, is effected at the expense of quality. Our nails will be found easier to drive, to prove tougher, and hold the shoe on longer than others; therefore more economical to use. Every nail we sell you under the "C" brand is fully warranted to be perfect; therefore no risk in buying, nor trouble in selling them. It is false economy to purchase "cheap" nails; the best are always the cheapest.

(1) You can do all your horse nail business with the "C" brand. Why keep two stocks on hand? When your orders are sent through any hardware merchant, always insist upon having our nails, and refuse all substitutes. If you cannot obtain the "C" brand, please advise us. Our name and brand is on each box of our manufacture; none otherwise are genuine. Prices and samples on application.

CANADA HORSE NAIL COMPANY

MONTREAL.

TRADE CHAT.

CHATHAM, Ont., will soon vote on a by-law to guarantee the interest on \$15,000 for the establishment of a cold storage plant.

Bradford Bros., general merchants, Granby, Que., have dissolved, C. H. Bradford retiring. W. D. Bradford will continue in his own name.

The Standard Silver Co., Ltd., Toronto, has been incorporated into The International Silver Co., a combination of large silver manufacturing firms throughout the United States and Canada.

F. B. Stevens, formerly of the firm of Stevens & O'Leary, Wallaceburg, Ont., purchased a business in Chatham, Ont., and entered into partnership with W. J. Moore.

W. A. Kribs, M.L.A., intends starting a box and wood-working factory in Galt. He proposes erecting a one-storey brick structure about 50 x 60 by 120 to 125 feet, and also dry kilns and boiler-rooms. About 20 hands will be employed.

The creditors of Daniel Burch, general merchant, of Ruton, met in Hamilton on Tuesday. Burch's liabilities were believed to average from \$8,000 to \$10,000. Recently he gave a chattel mortgage to his brother for \$1,000 which the creditors now seek.

Henry T. Ball has bought the harness making, saddlery, and carriage business from the A. B. Sweeney estate, Stanstead, Que., and leased the premises occupied by the same. He will increase the stock and put in a new line of sleighs in a few days.

The Canadian-American Glass Co., of Detroit, are commencing operations on their new factory at Kingsville, Ont. The town gives the company exemption from taxation for fifteen years and free gas as long as it lasts. About 200 hands will be employed.

AN AID TO THE SMITH.

Those who have had any experience in the heating of iron in a blacksmith's forge can hardly fail to have noticed that a great waste of heat results from the open fire. A simple and inexpensive device for concentrating the heat without piling up a large dome of coke, is simply a small arch made of fire-brick, which is put over the ordinary blacksmith's fire. The inside of the arch becomes white hot very quickly, and thus the heat is reflected back from the arch to the iron which is placed inside. As a consequence the time required to heat the iron is much less than with an open fire, and less fuel is needed. By the use of this arch the open fire is at once converted temporarily into a miniature furnace, and its advantage must be obvious to every practical blacksmith, who has to deal with small heats and

the tempering of steel tools. In country smithies it would be invaluable. A still further improvement might be effected by suspending the arch by a light chain over a pulley overhead and a counterweight. If this were added, the arch might be easily raised when making up the fire, or when not otherwise required.

A SOLVENT FOR DRY PAINTS.

A useful solvent for dry paints is—according to Gruning—carbolic acid, the crude 50 per cent. acid being used, or if a more energetic action is required the so-called 100 per cent. or 90 per cent. pure acid. The article to be freed from paint is coated over with the acid by brushing, and the greasy mass removed by wiping with a cloth. Brushes caked with paint may be cleaned by steeping for a few days in the crude 50 per cent. acid, and then washing in water. The advantages exhibited by carbolic acid over caustic soda for this purpose are a more energetic and rapid action on the paint without corrosion of the wood or brush; in addition to which any excess of acid that may have been absorbed by the wood, stone, or other painted surface, soon evaporates, and leaves the article in a suitable condition for another coat of paint.

GREENHOUSE HEATING.

To determine the amount of pipe surface in square feet required to maintain any desired temperature in a greenhouse during zero weather, says The Home Study Magazine, the following table should be referred to:

Temperature desired in greenhouse.	Square feet of glass and its equivalent proportioned to 1 square foot of surface in heating pipes.			
40 degrees	4.33	5.25	6.66	7.7
50 degrees	3.07	3.93	4.76	5.7
60 degrees	2.19	2.90	3.63	4.33
65 degrees	1.86	2.53	3.22	3.84
70 degrees	1.58	2.19	2.80	3.44
Temperature of water in heating pipes, degrees	140	160	180	200

About 4 or 5 square feet of exposed wall surface should be considered equivalent to 1 square foot of glass. To find the size of heater required to properly heat a greenhouse having less than 500 square feet of glass—that is, about 150 square feet or less of hot-water radiation—divide the radiation by 10 to determine the proper area of flue heating surface in square feet which the boiler should contain; or, if it is a direct heating surface boiler, divide by 30 or 40. To find the grate surface in square feet, divide the number of square feet of radiation by about 200; in no case, however, should the grate area be less than $\frac{3}{4}$ square foot. To determine the capacity of the expansion tank above the pipe connections, divide the entire capacity of the heating system by 20.—Metal Worker.

HEATING AIR.

A very good illustration of the fact that it costs much more to heat the fresh air that must be supplied for good ventilation than merely to maintain the temperature of a room or building, is afforded by the heating a ventilating plant of the new buildings of Columbia University. These buildings are supplied with enough direct steam radiators to overcome the loss of heat through walls, windows, etc., and the entering of fresh air for ventilation is blown over stacks of heating pipes, so that it enters the room at a temperature of about 70 degrees. The buildings have a total cubic contents of about 9,700,000 cubic feet. The heating surface in the direct steam radiators is about 56,000 square feet, and the ventilating system is designed to furnish about 50,000 cubic feet of air per hour. When the outside air is at zero, the steam consumption of the plant is estimated as follows, in horse-power: Condensed in direct-heating radiators, 560 horse-power; condensed in heating stacks in connection with blowers, 2,205 horse-power; power required for electric motors, operating, blowing and exhaust fans, 635 horse-power. In other words, the heating and distribution of the fresh air for ventilation takes about six times as much coal as is required to simply maintain the inside temperature of the buildings. In a lecture describing this plant, delivered before the Engineering Society of Columbia University, Mr. G. A. Suter, under whose direction the plant was constructed, gives the following useful figures from the experience with this plant: 1 horse-power of steam supplies 100 square feet direct radiating surface; 1 horse-power-hour of steam supply heats 20,000 cubic feet of air from zero to 70 degrees Fah.; 1 horse-power on the shaft of an electric motor driving a blower will move 75,000 cubic feet of air per hour into and out of the rooms. The very large amount of power required for moving the air will be, we presume, a surprise to many engineers; but it is to be remembered that all the exhaust steam is utilized for heating and the power applied to the air, for the most part, also appears as heat. The fan system of heating and ventilating is really not so expensive in operation as might at first sight appear.

A despatch from Rossland says that there is likely to be some excitement in southern Alberta, owing to the discovery of an oil belt not far from the Crow's Nest mine. These oil fields are supposed to have originated in coal beds. The find is important, as it is the only oil deposit in western Canada. Oil was found flowing on the creeks, and is said to be of first-class quality. Experts report favorably on the formation.

AGENCIES WANTED.

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MANUFACTURER OF—

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**"JARDINE"****TIRE UPSETTERS
WILL UPSET TIRES**

Some machines sold as Upsetters will not. Perhaps you make as much money on the sale of a useless Upsetter as on a good one, but your customer does not. He don't want a machine because it is called an Upsetter; he wants a machine to upset tires. Sell him one of ours.

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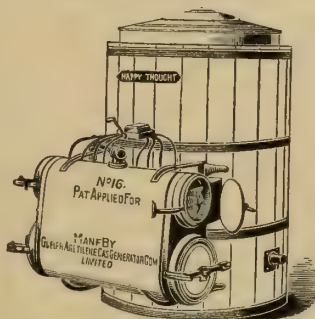
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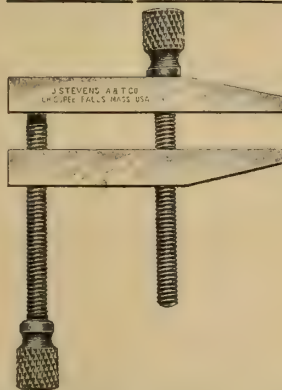
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Cotton, Jute, Hemp and Flax
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Mill Banding and Driving Ropes
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HUTCHISON, SHURLY & DERRETT

1078 BLOOR STREET WEST, TORONTO.

HEATING AND PLUMBING

USE OF GAS FOR TRAIN LIGHTING.

SOME interesting figures have recently been compiled, showing the growth of the system of lighting railway cars by Pintsch gas, which indicate remarkable progress in every important country of the world. In one of the tables a graphical showing is made of the progress made in the application of the system on the railroads of the world since 1883, and in the other is given a statement covering 21 countries for the two years 1896 and 1897. The latter table is as follows :

	1896		1897	
	Cars.	Locomotives.	Cars.	Locomotives.
Germany.....	30,184	2,955	31,335	3,121
Denmark.....	45	..	45	..
England.....	16,228	..	16,854	..
France.....	4,992	..	5,210	..
Holland.....	2,826	5	2,890	5
Italy.....	1,385	..	1,522	..
Switzerland...	331	2	335	2
Austria.....	2,876	..	3,104	..
Russia.....	1,357	25	1,536	25
Sweden.....	368	..	379	..
Servia.....	131	..	131	..
Bu'garia.....	21	..	27	..
Turkey.....	88	..	88	..
Egypt.....	2	..	2	..
Canada.....	4	..	4	..
Brazil.....	931	31	949	31
Argentine.....	962	..	984	..
Chili.....	46	..	46	..
India.....	4,755	..	6,356	..
Australia.....	342	..	976	..
United States	9,619	..	10,809	..
Total...	77,493	3,018	83,582	3,184

The graphic table shows that a substantially uniform growth was made from 11,422 cars in 1883 to 85,600 cars in 1898, the difference in the totals being accounted for by the fact that this table is brought up to the present date, while the other includes only to December, 31, 1897.

The tables are of especial interest as showing the wide distribution of the system in all parts of the world, and the steady progress in its adoption. India, the United States and Australia led in the number of cars equipped during the past year. During the year the system was placed upon 6,089 coaches and 166 locomotives, indicating in a manner satisfactory to its promoters that the development of other systems of lighting has not materially affected the increasing adoption of a light recognized as efficient and reliable under all circumstances.—Railway Age.

STARTING THE HEATING BOILER.

A prominent manufacturing house in the boiler trade consider it important that their salesmen should be very careful to impress on their customers the importance of being absolutely sure that both steam and hot-

water boilers have water in them when a fire is started, says a writer in Metal Worker. The necessity of seeing that the boiler has a proper supply of water must also be impressed on the purchaser of a boiler, so that in starting the fall fire after the boiler has been out of use during the summer the possibility of firing an empty boiler will be avoided.

This manufacturing house heat their office with a hot-water system, and when fire was started this fall the precepts so carefully and impressively laid down by the house were not kept. The water had been drawn off from the system during the summer, and one cool morning the "scrub gentlemen" concluded that heat would be needed, and fired the boiler. Those who appeared first at the office were not experts, but were glad that a fire had been started, and asked no questions. They soon discovered, however, that the place had not been warming up very rapidly, and gave the boiler more draft.

The boiler got good and hot, but still no warmth was felt. Finally, one of the experts arrived, and his attention was called to the state of affairs. He opened the draw-off cock to see how matters stood, and found no water. The fire was drawn, but it was too late, and a new boiler now takes its place. This old boiler was fired again, however, for the last time, when it was fired out on the dump.

PLUMBING NOTES.

The estate of Wm. M. Briggs, plumber, Montreal, is offering 70c. on the dollar, and is retiring from business.

Thomas Allen has taken out a permit for a two-storey brick dwelling on Walnut street, Hamilton, between Augusta and Maria, to cost \$1,400.

Building permits have been issued in Toronto to the Confederation Life Asso-

ciation for alterations to store fronts in the Confederation Life building at the corner of Richmond and Yonge streets, to cost \$10,000, J. N. Gray, architect; and to M. De Laplante, for four brick attached dwellings at 39 to 45 Mission avenue, to cost \$3,000.

A FEMALE PLUMBER IN JAIL.

Henry Jefferson, a master plumber of Buffalo, is in the Klondyke digging gold; his wife, Frances, is in the county jail, according to an exchange, on a body execution for \$37.40, which, she claims, he owes. What's more, she is liable to remain in jail for some time, for she says she hasn't the money to pay the judgment, and wouldn't pay it if she had.

Some months ago Mr. Jefferson conducted a plumbing business in Delaware avenue. Business was dull, and Mr. Jefferson decided to go to the Klondyke and take his chances.

Mrs. Jefferson was left in charge of the business, and carried it on the best she could to pay off the many debts left by her husband. Most of them, she says, she paid.

In a short time after she took charge of the business, it began to prosper; so much so, Mrs. Jefferson says, that other plumbers in the neighborhood became jealous. They complained of her to the board of health, and she was ordered to close her place because she had no license, and was not a practical plumber.

Mrs. Jefferson turned her business over to William Henderson, after finishing work she had contracted to do. James Orlando was employed by Henderson. Mrs. Jefferson's husband owed the latter \$37.40. Shortly after she transferred her business, Mrs. Jefferson says, Orlando went to municipal court, swore she owed him the money and secured a judgment against her, on which a body execution was secured.

"I do not owe Orlando any money," Mrs. Jefferson said recently. "When my husband left I employed him and paid him, but I could not pay him the money my husband owed him. If I had been allowed to continue business I certainly would have paid the debt for my husband."

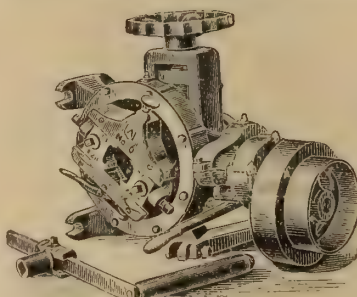
ARMSTRONG PIPE THREADING

AND CUTTING-OFF MACHINES

(Hand or Power)

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.



No. 0 Threading Machine, with power attachment.

THE ARMSTRONG MFG. CO.

New York Office.
139 Centre Street

Bridgeport, Conn.

THE . . .
DOMINION RADIATOR COMPANY

LIMITED

Dealers
 in the most complete line of

Steamfitters' Specialties

HEAD OFFICE and WORKS:

340 to 376 Dufferin Street

TORONTO, ONT.



Steam Traps, Separators
 Wrought Iron Pipe
 Cast and Malleable Fittings
 Also Galvanized Pipe and Fittings
 Brass and Iron Body Valves, etc.

FOX

All-Steel Sash Pulleys

THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.

THEY can be applied quicker than any other Pulley.

THEY are cheap, strong and durable.

NO NAILS **NO SCREWS**
JUST BORE **FOUR HOLES**

AIKENHEAD HARDWARE CO.
 Toronto.

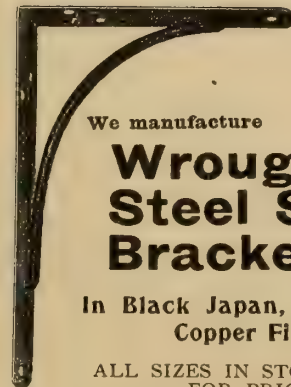
T. L. Paton.

30 St. Francois Xavier St., MONTREAL.
 Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
 H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
 Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
 Wholesale trade only.

PLUMBERS' Supplies.

We have a new line of
 Bath Tub Seats at 75c.
 Send post card for circular.

The **JAMES MORRISON**
 Toronto. **BRASS MFG. CO., Limited**



We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and
 Copper Finish.

ALL SIZES IN STOCK. SEND
 FOR PRICES.

H. R. IVES & CO., Montreal.

FACTS About Horse-Nails.

We never depreciate the quality of our competitors' goods.

WE DO SAY

That "Monarch" Horse-Nails are made from the best quality of Swedish stock. Are the safest to use, the best to drive, and will hold the shoe on longer and tighter than any other nail made in Canada. This is a strong statement, but testimonials from blacksmiths, which we are constantly receiving, confirm it in every particular.

A PENNY SAVED, IS A PENNY EARNED.

Two-thirds of one cent on each set of shoes is fifty cents on each box of twenty-five pounds of nails.
 We are always pleased to quote prices and send samples, and it will pay you to write us before purchasing.

MARITIME NAIL COMPANY, Limited
 ST. JOHN, N. B.

A FURNACE SELL.

I THOROUGHLY agree with the views recently expressed in The Metal Worker on the needs of the furnace trade, writes "Salesman," in Metal Worker. Many who are engaged in the business of manufacturing furnaces employ salesmen who are incapable of giving any assistance to their customers, and, as a result, furnaces often fail to give satisfaction, and lead to the use of some other method of heating. To give a point to my argument, I will give an account of a case where I was sold and also sold a furnace. A customer to whom I had sold goods occasionally was complaining that the furnace he used in heating his store did not give satisfaction, and, with a view of making a sale, I investigated the furnace and the piping system in his building, and agreed to guarantee to heat the building with one of my furnaces, although he was considering changing to a steam-heating system. My guarantee was to be made good providing one of my furnaces was used and the changes in location, cold air supply, and piping were made as I directed. He gave me the order for the furnace, and stated that if it did not come up to my guarantee—which was, that if it did not heat his store, on the first of the following January he might return it to our place—he would be sure to exact that part of my agreement.

The reason he was so skeptical of the possibility of the building being heated with a furnace and his eagerness to protect himself was due to the fact that the manufacturers of the furnace, that he had in use, had sent three different men to look over the job and explain where the trouble was and give a remedy, and each had failed to give any relief. My customer agreed to tear out his furnace and put in the new one on the plan I suggested when it arrived. The furnace was shipped. On January 2 he sent a cheque which made me feel very comfortable, as I expected to do a good trade with him on my line afterward. I had gone to considerable trouble to explain to him my method of laying out furnace heating systems and arriving at the size of the pipes and registers, and also the size of the furnace required for giving work, whether it was in a residence, school house or a church with Gothic roof. This information he seemed to understand fully, taking a deep interest in my explanation and promising to profit by it.

Early in the year, when I had occasion to make my first trip in his territory, I called on him to know how he had got through the winter. He pointed to the change that had been made in the location of the registers, and said that all the other changes that I had recommended had been carried out,

with one exception. Nevertheless, he had been able to heat his store, and that portion of his residence to which pipes were carried, to his entire satisfaction, and with a much less expenditure of fuel than heretofore. This was very pleasing to me, and I desired to know the exception. This, he stated to me, was that instead of using the furnace that I had shipped to him, he had changed the old furnace, as I had directed. This was a vindication of my recommendations. He further explained that the furnace which I had shipped to him he had used in the residence of a customer, and had set it in accordance with my views on heating houses, as far as he had been able to learn them, and that the furnace had given perfect satisfaction to his customer. I had hoped to see the old furnace thrown on the dump, and that my furnace would give him such excellent satisfaction that he would recommend it to all of his customers.

He has since been a good customer for me and has demonstrated to me that a salesman who wished to build up and retain a good furnace trade should be able to educate his customers and help them over hard places. I think if the manufacturers would seek out competent men and encourage them instead of hiring men whose best recommendation seems to be quoting the lowest prices that their houses will make, and who claim that their furnaces will out-heat anything produced by any competitor, that the whole furnace trade would be benefited and that there would be a larger demand for hot-air heating systems. Now by taking little or no interest in the competency of their customers to set their furnaces so that they will give satisfaction much inferior hot-air furnace work is done.

It would be far better if a concerted action was agreed upon by all manufacturers of hot-air furnaces to help the dealer who sets the furnace to get fair treatment at the hands of the architect and builder, and many who do know how to do a good furnace job would not be forced to set a furnace in any other way than the best way known to them. I find it necessary, in some places, to go with my customer to the architect and to the building committee, and explain to them why what they wish done will either be unsatisfactory or expensive to operate.

The assessment of \$200,000 on personalty, owned by The T. Eaton Co., Limited, was confirmed on Tuesday by decision of Judge McDougall. The Eaton company had appealed against the assessment. They were ordered to show their books to the civic officials. The city objected that the information furnished by the company, upon that order, was not sufficient, and the court so held. The appeal was, dismissed.

PRESSED BRICK IN VANCOUVER.

Vancouver will soon have two new industries, it is expected. Clay suitable for making the best class of pressed bricks has recently been discovered near Vancouver. Samples were sent east, and, after a thorough test, pronounced as good as anything found in Ontario. A Mr. Cameron, representing a firm that manufactures brick-making machinery in Ontario, is at present in the city with a view to establishing a compressed brick manufactory here. He has carefully looked over the ground, it is stated, and will shortly put his scheme into effect. The present scarcity of brick in Vancouver shows conclusively the necessity for such an establishment.—The Province.

NERVOUS, RETIRING AGENTS.

A subscriber writes: Enclosed I beg to hand you a short article that was written by a man in his leisure moments of insanity, after, evidently, having had some dealings with the poor people he so much maligns:

Always believe exactly what agents tell you, and unquestioningly take their advice. The majority of them are nervous, retiring men, with a sad past, and a longing to do good and benefit you. You don't know how you grieve and hurt their delicate natures when you question their veracity—notice, next time, the pained expression on their faces. In their generosity they sometimes tell you—though, of course, mostly they are too reserved to say much—that they are making you this or that at a special rate—they're too modest to tell you that you are not the only person they befriend in this way—nor, in fact, does their philanthropy cease with their customers, but extends to the whole world. Be good to these well-meaning, kindhearted chaps, and once you gain their confidence they'll sell you all the stuff you want without showing that they consider you are in any way under an obligation to them.

STEEL STAMPS

We are the largest manufacturers of STEEL STAMPS in Canada.

HAMILTON STAMP AND STENCIL WORKS

Send for Quotations

Hamilton, Ont.

Buy the Best.



HERCULES

Sash Cord.

Star Brand Cotton Rope
Star Brand Cotton Clothes Lines
Star Brand Cotton Twine

For Sale by all Wholesale Dealers

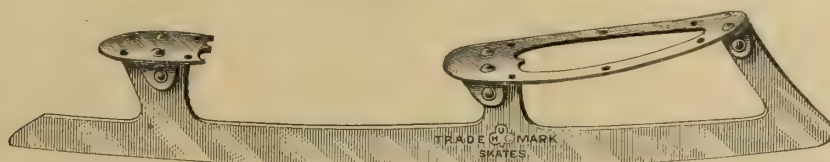
UNION HOCKEY SKATES



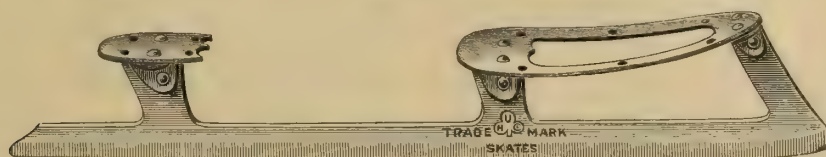
These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH**, which is guaranteed. **WEIGHT**, which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT** and **HANG** for ease of stroke and cutting corners.



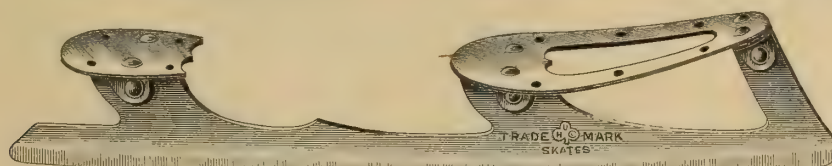
Plain Runner, Straight.



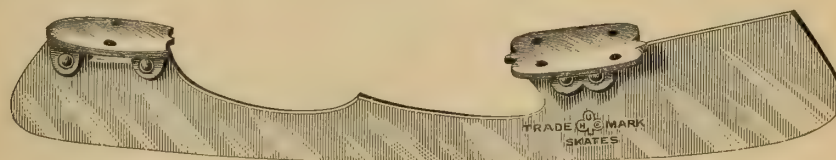
Plain Runner, Curved Blade.



Ribbed Runner.

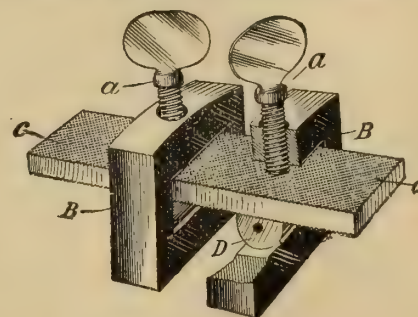


Ribbed Runner, Curved or Rocker Blade, for Ladies.



Victoria Club Skates.

UNION SKATE SHARPENER



UNION CLUB SKATES

THESE
PATTERNS
MADE IN
ALL VARIETIES
OF FINISH AND
QUALITY

THE LARGEST
AND MOST COMPLETE
LINE ON THE MARKET

Write for circular for full information for importing or we will tell you where they may be obtained in Canada.

UNION HARDWARE CO.

New York Office:

95 Chambers Street

TORRINGTON, CONN., U.S.A.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.	
Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.	
Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.	
Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.	
Shot.	
Canadian common, 7½ per cent.	
Brass Shot Shells, 55 and 10 per cent	
Primers, Dom., 30 per cent.	
Wads.	
per lb	
Best thick white felt wadding, in ½-lb bags.	1 00
Best thick brown or grey felt wads, in ½ lb. bags.	0 70
Best thick white card wads, in boxes of 500 each, 12 and smaller gauges.	0 99
Best thick white card wads, in boxes of 500 each, 10 gauge.	0 35
Best thick white card wads, in boxes of 500 each, 8 gauge.	0 55
Thin card wads, in boxes of 1,000 each, 12 and smaller gauges.	0 20
Thin card wads, in boxes of 1,000 each, 10 gauge.	0 25
Thin card wads in boxes of 1,000 each 8 gauge.	
Chemically prepared black edge grey cloth wads, in boxes of 250 each—	Per M.
11 and smaller gauge.	0 60
9 and 10 gauges.	0 70
7 and 8 gauges.	0 90
5 and 6 gauges.	1 10
Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—	
11 and smaller gauge.	1 15
9 and 10 gauges.	1 40
7 and 8 gauges.	1 65
5 and 6 gauges.	1 90
Anvils.	
Per lb.	0 10
Anvil and Vice combined, each.	4 50
Wilkinson & Co.'s Anvils, lb.	09 00
Wilkinson & Co.'s Vices, lb.	09 00
Augers.	
Gilmour's, discount 65 p.c. off revised list.	
Hollow Stearns, per dozen.	13 00
Adjustable Stearns, each.	4 50
Post-hole, Vaughn's, each.	60 00
Excelsior, Jennings', discount 50 per cent.	
Awls.	
Sewing, per gross.	0 65
Pegging, "	0 85
Brad, "	0 85
" handled, per gross.	3 60
Saddlers, per gross.	0 45
Awl Hafts.	
Patent Peg, per gross.	7 25
" Sewing, per gross.	8 00
Awl and Tool Sets.	
Millar's Falls, per doz.	2 80
AXES.	
Splitting Axes.	5 25
Chopping Axes—	
Single List, per doz.	6 00
Double List, "	11 00
Bench Axes, 40 and 10 p.c.	
Axle Grease.	
Per gross.	6 00
Bath Tubs.	
Zinc, discount.	3 90
Copper, discount, 40 and 10 p.c. off revised list.	
Steel clad, 20 per cent. discount off revised list	
Boxing extra	
Anti-Friction Metal.	
" Tandem " A.	0 19
" " B.	0 16
" " C.	0 10½
" Monarch " 1.	0 21
" " 2.	0 15
" " 3.	0 10
" Canadian " "	0 08½
Magnolia Anti-Friction Metal, per lb.	0 25
No Name Metal.	0 15
Mystic Metal.	0 10
F. O. B. New York or Chicago.	
Bells.	
Hand.	
Brass, 60 per cent.	
Nickel, 55 per cent.	
Door.	
Gongs Sargent's.	5 50
" Peterboro', discount 50 per cent.	8 00
Cow.	
American make, discount 66½ per cent.	
Canadian, discount 45 and 50 per cent.	
Farm.	
American, each.	1 25
House.	3 00
American, per.	0 35
Bellows.	
Hand, per doz.	3 35
Moulders, per doz.	4 75
Blacksmiths', discount 60 per cent.	7 50
Belt.	
Extra, 50 per cent.	
Standard, 10 and 10 to 50, 10 and 5 per cent.	
Agricultural, 60 and 10 p.c.	
Bench Staps.	
Per doz.	5 00
Bits.	
Auger.	
Gilmour's, discount 65 and 5 per cent.	
Excelsior, discount 60 per cent.	
Rockford Common, 70 to 70 and 10 per cent.	
" Perfection, 50 and 10 per cent.	
Jennings' Gen., net list to 5 p.c. discount	
Car.	
Gilmour's, 47½ to 50 per cent	

Clark's 40 per cent.	
Excelsior, 10 per cent.	
Gimlet.	
Clark's, per doz.	0 65
Diamond, Shell, per doz.	1 00
Nail and Spike per gross.	2 25
Blind Rollers.	
Annex, per doz.	1 25
Mascott, "	1 35
Erminie, "	1 00
Blind and Bed Staples.	
All sizes, per lb.	7½ 0 12
Bolts.	
Carriage, dis. 60 and 10 to 70 p.c.	
Tire, dis. 70 and 5 per cent.	
Stove, dis. 70 per cent.	
Elevator, dis. 35 to 40 per cent	
Machine, dis. 70 p.c.	
Coach Screws, dis. 70 and 10 p.c.	
Plough bolts, 60 p.c.	
Boring Machines.	
Complete, with augers, each.	5 00
Braces.	
Barbe, "	6 00
Barber's Ratchet.	10 00
Farmers.	2 00
Millar's Falls.	15 50
Brackets.	
Shelf.	
Japanned Canadian, per doz.	0 50
Berlin Bronze Canadian.	0 85
Boilers.	
Light, dis. 65 to 67½ per cent.	
Reversible, dis. 65 to 67½ per cent.	
Vegetable, per doz., dis. 37½ per cent.	
Henis, No. 8.	6 00
Henis, No. 9.	7 00
Queen City.	7 50
Butchers' Cleavers.	
German, per doz.	6 00
American, per doz.	12 00
Building Paper, Etc.	
" Dominion Brand " Saturated Felt, per 100-lb.	\$1 40
" Shield Brand, " Dry, per roll.	0 40
" Tanned Good Luck, per roll.	0 27
" " Tarred, per roll.	0 3
Coal Tar, per barrel.	3 75
Pitch, per 100-lb.	0 60
Butts.	
Brass.	
Wrought Brass, dis. 17½ p.c. revised list.	
Cast Iron.	
Loose Pin, dis. 70 per cent.	
Wrought Steel.	
Fast Joint, dis. 70, 10 and 5 to 75 p.c.	
Loose Pins, dis. 70 10 and 5 to 75 p.c.	
Berlin Bronzed, dis. 70, 70 and 5 per cent.	
Gen. Bronzed, per pair.	0 40
Can Openers.	
Acme, per gross.	9 00
Sardine Scissors, per doz.	3 75
Card.	
Horse, per doz.	0 60
Carpet Stretchers.	
American, per doz.	1 00
Bullards, per doz.	6 50
Carpet Sweepers.	
Rissell, per doz.	22 50
World, "	21 75
Daisy, "	24 00
Star, "	18 00
Crown Jewel, per doz.	29 00
Grand Rapids, "	24 00
Cartridges.	
(See Ammunition.)	
Castors.	
Bed new list, dis. 55 to 57½ per cent.	
Plate, dis. 52½ to 57½ per cent.	
Cattle Leaders.	
Nos 31 and 32, per gross.	8 50
Cement.	
Canadian, Portland.	2 50
English.	2 85
Belgium.	2 75
Canadian hydraulic.	1 20
Figures are for barrel lots.	
Chalk.	
Carpenters Colored, per gross.	0 45
White lump, per cwt.	0 60
Red.	0 05
Crayon, per gross.	0 14
Chisels.	
Socket, Framing and Firmer.	
American, dis. 75 per cent.	
Canadian, dis. 40 and 5 per cent.	
Tanged firmer, per doz.	0 85
Churns.	
Delivered from stock in Ontario: No. 0, \$2.85	
No. 1, \$3.31—No. 2, \$3.05—No. 3, \$3.60—No. 4, \$4.35—No. 5, \$3.75	
Delivered from stock, Montreal: No. 0, \$3.05—No. 1, \$1.25—No. 2, \$3.45—No. 3, \$3.80—No. 4, \$4.55—No. 5, \$6.05.	
Clamps.	
Indds', dis. 20 per cent.	
Stearns, per doz.	3 00
Clips.	
Axle dis. 65 per cent.	
Closets.	
Washout, plain.	3 25
" embossed.	3 50

Coffee Mills.	
Box.	3 60
Side.	3 60
Enterprise, No. 0.	1 35
" No. 2.	70
Compasses, Dividers, Etc.	
American, dis. 82½ to 65 per cent	
Cradles, Grain.	
Canadian, dis. 20 per cent.	
Dies.	
Hart Mfg. Co. (pipe es), (Amer. list), dis. 40 per cent.	
Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.	
Door Springs.	
Torrey's Rod, per doz.	15 p.c. 2 00
Coil, per doz.	0 88
English per doz.	2 00
Draw Knives.	
American, dis. 70 and 10 per cent.	
Canadian, dis. 25, 50 and 10 per cent.	
Drills.	
Hand and Breast	
Millar Falls, per doz.	16 00
P. S. & W., dis. 40 per cent.	51 50
DRILL BIT.	
Orse, dis. 37½ to 40 per cent.	
Standard, dis. 50 and 5 to 55 per cent.	
ELBOWS.	
Stovepipe.	85 1 70
FAWCETS.	
Cork Lined, per doz.	0 30
Wine, per doz.	1 30
Star, "	2 80
Fenn's Corkstops, No. 2, per dozen.	1 70
Petroleum, per doz.	4 50
FILES.	
Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.	
Black Diamond, 60 and 10 to 60 per cent.	
Kearney & Foote, 60 and 10 per cent to 60, 10, 10.	
Nicholson File Co., 50 and 10 to 60 per cent.	
Jowitt's, English list, 25 to 27½ per cent.	
American, 60 to 60 and 5 per cent.	
Great Western, 60 and 10 per cent.	
Mechanics' Star & File Mfg. Co. Discount, 60 and 10 to 70 per cent.	
FLUTING MACHINES.	
Each.	0 60
FORKS.	
Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.	
FREEZERS.	
Ice Cream.	
Gem from \$1.25 to \$7 net.	
White Mountain, 1 to 25 qt.	1 35
Arctic, dis. 50 p.c.	13 50
FRUIT PRESSES.	
Henis', per doz.	3 25
Shepard's Queen City, dis. 15 per cent.	3 50
FRY PANS.	
Acme, dis. 65 to 67½ per cent.	
GAUGES.	
Marking, Mortise, Etc.	
Stanley's, dis. 50 to 55 per cent.	
Wire Gauges.	
Winn's Nos. 26 to 33, each.	1 65
GLASS.	
Window.	
Box Price.	
Per 50 ft.	1 80
Per 100 ft.	3 50
Per 150 ft.	5 50
Under 25.	1 80
25 to 40.	1 95
41 to 50.	4 20
51 to 60.	4 50
61 to 70.	4 80
71 to 80.	5 20
81 to 85.	5 80
86 to 90.	6 80
91 to 95.	14 75
96 to 100.	18 75
101 to 105.	18 75
106 to 110.	22 75
GLUE POTS.	
Tinned, each.	0 30
Ecoamelled each.	0 55
GRINDSTONE FIXTURES.	
Per doz.	3 60
HALTERS.	
Rope ¾ per gross.	8 25
" ½ "	9 25
" ¼ "	11 00
Leather, 1 in. per doz.	3 87½
" 1 ¼ in. "	5 15
Web, — per doz.	1 87
HAMMERS.	
Nail	
Maydole's, dis. 5 to 10 per cent.	Can., dis. 25 to 27½ per cent.
Tack.	
Magnetic per doz.	1 10
Canadian, per lb.	0 07½
Sledge.	
Ball Peen.	0 08½
English and Can., per lb.	0 22

HANDLES.	
Axe, per doz., net.	1 50
Store door, per doz.	1 00
Chest, per doz. pairs.	0 40
Chisel.	
Firmer, per gross.	3 00
Socket Firmer, per gross.	3 25
Socket Framing, per gross.	3 75
Fork.	
C. & B., dis. 45 per cent. rev. list.	
Hoe.	
C. & B., dis. 45 per cent. rev. list.	
Saw.	
American, per doz.	1 00
Plane.	
American, per gross.	3 1
Hammer and Hatchet.	
Canadian, 45 per cent.	
Cross-Cut Saw.	
Canadian, per pair.	0 13½
HANGERS.	
Door, 4 and 5 inch, per pair.	0 40
Lanes, 6½ per cent.	0 50
HATCHETS.	
Canadian, dis. 40 to 42½ per cent	
HINGES.	
Blind, Parker's, dis. 60 and 10 to 65 per cent.	
" Shepard's Noiseless, dis. 60 per cent.	
" Buffalo, dis. 60 to 70 p.c.	
Light T and strap, 70 and 10 p.c.	
Heavy, per lb.	0 03½
Screw hook and hinge—	
6 to 12 in., per 100 lbs.	3 15
14 in. up, per 100 lbs.	2 35
Per doz. set.	
Screw Eureka.	1 13
Gate, Clark's.	1 50
" Shepard's, dis. 50 to 60 per cent.	2 20
Per gro. pair.	
Spring.	9 50
" Shepard's Samson.	1 20
HOES.	
Garden, Mortar, etc. dis. 60, 10 and 5 p.c.	
Planter, per doz.	4 00
HOOKS.	
Cast Iron.	
Bird Cage, per doz.	0 50
Clothes Line, per doz.	0 27
Harness, per doz.	0 72
Hat and Coat, per gross.	1 00
Chandelier, per doz.	0 50
Wrought Iron.	
Wrought Hooks and Staples, Can., dis. 47½ per cent.	
Wire.	
Hat and coat, dis. 60 to 60 and 10 p.c.	
Belt, per 1,000.	0 60
Screw, bright, dis. 65 and 10 per cent	0 70
HORSE NAILS.	
" C " brand, 50 p.c. dis.	
" M " brand 50 p.c.	
" P. B. " dis. 50 p.c.	
Acadian, 50 and 20 p.c., countersunk head	
HORSE SHOES.	
Iron Shoes.	F.O.B. Montreal Toronto
Light, medium, and heavy.	3 15
Snow shoes.	3 40
Steel Shoes.	3 50
Light, all sizes.	3 35
Extra light.	4 50
Toe weight (steel).	5 50
*Al o Hamilton, London, Guelph, St. John. Halifax.	
ICE PICKS.	
Star, per doz.	3 00
KETTLES.	
Brass spun, 7½ p.c. dis. off new list.	
Copper, per lb.	0 30
American, 60 and 10 to 65 and 5 p.c.	35
KEYS.	
Lock, Can., dis. 50 p.c.	
Cabinet, trunk, and padlock,	
Am. per gross.	1 60
KNOBS.	
Door, japanned and N.P., per doz.	0 90
Bronze, Berlin, per doz.	2 75
Bronze Genuine, "	6 00
Shutter, porcelain, F. & L. screw per gross.	1 30
KNIVES.	
Clauss, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.	
Christie, bread, cake, and paring knives, \$7.00 doz. sets with 10 p.c. off.	
Hay knives, spear point, Lor T handle, 60 10 and 5 per cent.	
Lightning, per doz.	6 50
Heath's, \$7.75 net.	8 40
LADIES.	
Melting, per doz.	1 70
LEMON SQUEEZERS.	
Porcelain lined, per doz.	2 20
Galvanized, "	1 87
King, wood, "	2 75

King, glass, "	4 00	4 50
All glass	1 20	1 30
LINE.		
Fish, per gross	1 05	2 50
Chalk	1 90	7 40
LOCKS.		
Canadian, dis. 50 p.c.		
Russell & Erwin, per oz.	1 75	7 50
Cabinet,		
Eagle, dis. 30 p.c.		
Padlock.		
English and Am., per doz.	50	6 00
Scandinavian, "	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.		
Iron and Brass.		
Flat head, discount 25 p.c.		
Round head, discount 20 p.c.		
MALLETS.		
Tinsmiths', per doz.	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each	1 60	2 00

MATTOCKS.		
Canadian, per doz.	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.		
American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.		
American, per doz.	0 42	2 35

MOLASSES GATES.		
Stebbin's Patent, dis. 77½ per cent.		

NAILS		
Quotations are:	Cat.	Wire.
2d. and 3d.	\$2 75	\$2 75
3d.	2 40	2 40
4 and 5d.	2 15	2 15
6 and 7d.	2 05	2 05
8 and 9d.	1 90	1 90
10 and 12d.	1 85	1 85
16 and 20d.	1 80	1 80
30, 40, 50 and 60d. (base)	1 75	1 75
Steel Cut Nails 10c. extra.		
Brads and finishing nails, special sizes, 80 p.c. from new list.		

NAIL PULLERS.		
German and American.	1 85	3 50

NAIL SETS.		
Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.		
Poultry, 67½ per cent. for imported, 55 per cent. for McMullen's.		

OIL.		
Canada refined oil (Toronto)	0 14	
Carbon safety	0 16½	
American w. w.	0 17½	
Pratt's Astral	0 17	

OILERS.		
McClary's Model galvan. oil can, with pump, 5 gal., per doz.	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.	1 25	3 50
Brass, "	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.		
Galvanized, per doz.	1 85	3 00

PENCILS.		
Hixon's, per gross	1 00	4 25
Carpenter	2 25	3 60

PICKS.		
Per doz	6 00	9 00

PICTURE NAILS.		
Porcelain head, per gross.	1 40	3 00
Brass head, "	0 40	1 00

PIPE CUTTING MACHINERY		
Forbes Patent Die Stocks.—Curtis & Curtis, Mfrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to 2 in. R. & L.	\$ 50 00	
No. 38 Hand Machine, range ½ to 4 "	100 00	
No. 56 Hand Machine, range 2½ to 6 "	175 00	

PLANES.		
Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.		
Wood, fancy Canadian or American, 37½ to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.		
Miscellaneous, dis. 25 to 27½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.		
English, per doz.	2 00	5

PLIERS AND NIPPERS.		
Button's Genuine, per doz pairs, dis. 37½ to 40 p.c.		
Button's Imitation, per doz.	5 00	9 00
German, per doz.	0 60	2 60

PLUMBS AND LEVELS.		
S. R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		

POPPERS.		
Corn, square, per doz.	1 35	2 00

PRUNING SHEARS.		
Per doz.	4 00	5 50

PULLEYS.		
Hothouse, per doz.	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS.		
Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.		
Saddlers', per doz.	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set.	0 00	0 72
" hollow, per inch.	0 00	1 00

RAIL.		
Barn door, per foot.	0 02½	0 02½
Sliding door, "	0 03½	0 03½
Lanes, "	0 02½	0 02½

RAKES.		
Cast steel and malleable Canadian, list dis. 60 to 60, 10 and 5 p.c. revised list.		
Wood, 25 per cent.		

RASPS AND HORSE RASPS.		
New Nicholson horse rasp, discount 60 p.c.		
Globe File Co.'s rasps, 6J and 10 to 70 p.c.		
Toronto File Co.'s rasps, 60 and 10 to 70 p.c.		
Heller's Horse rasps, 50 to 50 and 10 p.c.		

RAZORS.		
Geo. Butler & Co.'s, per doz.	8 00	18 00
Boker's, "	7 50	11 00
Wade & Butcher's, "	3 60	10
Arbenz's, "	9 00	18
Theile & Quack's, "	7 00	12

RAZOR STROPS.		
Currier's, per doz.	*1 25	3 60

RIVETS AND BURRS.		
Carriage, Section, Wagon Box Rivets, etc. (Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc. (Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and		

Copper Rivets & Burrs, 45 p.c. Jis.		
cartoons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.		
Canadian, dis. 35 to 37½ per cent.		

ROPE, ETC.		
7-16 in. and larger, per lb. 9¼. Sisal. Manilla		
¼ in.	10½	10½
½ and 5-16 in.	10¾	11¼
Cotton	13	13
Russia Deep Sea	14½	14½
Jute	6¾	7½
Lath Yarn	8¾	9¾
New Zealand Rope	9½	9½

RULES.		
Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.		
Mrs. Potts, per set.	0 62½	1 00
N.P., per set.		90

SAD HEATERS.		
Dome, Shepard's, per doz.	4 75	5 00

SAND AND EMERY PAPER.		
Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.		

SASH CORD.		
Per lb.	0 20	0 50

SASH LOCKS.		
Triumph and Morris, dis. 37½, 40 per cent.		
Kempshell's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.		
Sectional, per 100 lbs.	1 40	1 75
Solid, "		1 25

SAWS.		
Crosscut, McMillan & Haynes, per dozen	0 40	0 70
'Empire,' McMillan & Haynes, per ft.		0 70
Hand, Disston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Disston's, per ft.	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.	0 75	2 75
" frame only.		0 75

SAW SETS.		
"Lincoln," McMillan & Haynes, per doz.	6 00	7 50
Whiting	5 63	7 00

SCALES.		
Gurney Scales, 50 p.c.		
R. S. & M. Scales, 50 p.c.		
Champion, 60 per cent.		
Fairbanks Standard, 45 p.c.		
" Dominion, 60 p.c.		
Richelieu, 60 p.c.		
Chatillon Spring Balances 25 p.c.		

SCRAPERS.		
Box, per doz.	2 10	4 50
Boot, "	0 40	3 50

SCREENS.		
Door, patent, per doz.	6 50	11 00
Window, per doz.	2 00	2 75

SCREW DRIVERS.		
Sargent's, per doz.	65	90

SCREWS.		
Wood, F. H., iron, and steel, dis. 87½ p.c.		
Wood, R. H., " dis. 80 p.c.		
" F. H., brass, dis. 82½ p.c.		
Wood, R. H., " dis. 75 p.c.		
Drive Screws, 87½ per cent.		
Bench, wood, per doz.	3 25	4 00
" iron, "	4 25	5 75

SCYTHES.		
Discount, per doz. net.	4 50	6 00

SCYTHE SNATHS.		
Canadian, dis. 50 p.c.		

SHEARS.		
B. & W., japanned, dis. 75 p.c.		
B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 80 p.c.		
Etna, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
" N.P., dis. 70 p.c.		
Claus, full nickel, 60 p.c.		
" japanned handles, 67½ p.c. off.		
Seymour or Heinisch tailor shears, 15 p.c.		

SHEAVES.		
Sliding door, per set.	0 77	1 40

SHOVELS AND SPADES.		
Canadian, dis. 40 and 10 to 45 and 2½ p.c.		

SIEVES.		
Wood rim, black, per doz.	1 05	1 10
" tinne, "	1 25	1 35
Tin rim, per doz.	2 30	2 45
" black, "	1 85	2 25

SNAPS.		
Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.		
Per lb.		0 25

WROUGHT SPIKES.		
Discount, 35 to 40 per cent.		

SPOKE SHAVES.		
Wood, English	1 80	5 00
ron, American	1 35	2 35

SPOONS AND FORKS.		
Tea spoons, per gross	7 50	12 00
Dessert, "	21 00	00 00
Table, "	30 00	00 00
Dessert Forks, "	24 00	00 00
Medium, "	27 00	00 00
Table, "	36 00	00 00

SQUARES.		
Iron, per doz.	1 65	2 9
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

STAPLES.		
Galvanized	2 00	
Bright	1 00	

STEP LADDERS.		
BOECKH BROS. & COMPANY.		
Best grade, from 3 to 10-ft. long per foot, 16c		
2nd grade, 3 to 10-ft., per foot, 10c.		

STOCKS AND DIES.		
American, dis. 25 p.c.		

STONE.		
Washita, per lb.	0 28	0 60
Hindostan, "	0 06	0 07

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Manufacturers of . .
**READY MIXED PAINTS and
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PERFECTION AUTOMATIC REVOLVER.

NEW Automatic shell extracting,
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Weighs 12 oz. Rebounding lock. 32
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Made with shorter barrel for bicycle
use.

The most perfect small pistol made.

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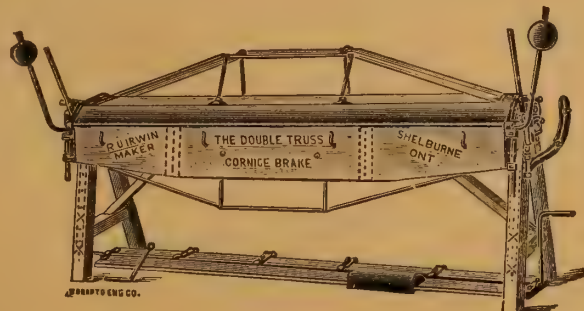


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Manufacturers of
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Forehand Guns

Worcester,
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This eight-foot Brake bends 22-gauge iron
and lighter, straight and true.

Price, \$50

Very handy beader attachment, \$10 extra,
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It Leads Them All.

Where accurate weighing is required use

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**WAREHOUSE (Portable or Dormant)
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Black Diamond File Works

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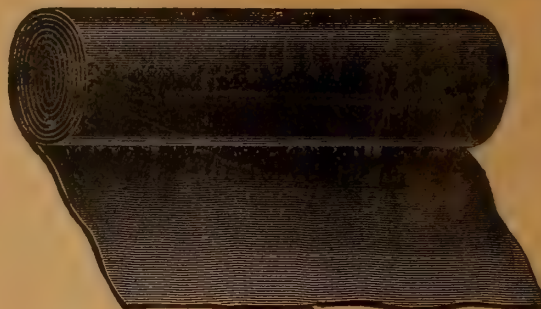
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BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

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The Weekly Organ of the Hardware, Metal, Heating, Plumbing and Contracting Trades in Canada.

VOL. X.

MONTREAL AND TORONTO, DECEMBER 24, 1898.

NO. 52



Magnolia Metal

*Best Anti-Friction Metal for
all Machinery Bearings.*

GENUINE MAGNOLIA METAL is made up
in bars, of which this is a

FAC-SIMILE.

The name and trade
mark appear on each box
and bar and besides this,
the words "Manufactured
in United States" and
"Patented June 3, 1890"
are stamped on the under
side of each bar.



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Favorite*

RICE LEWIS & SON

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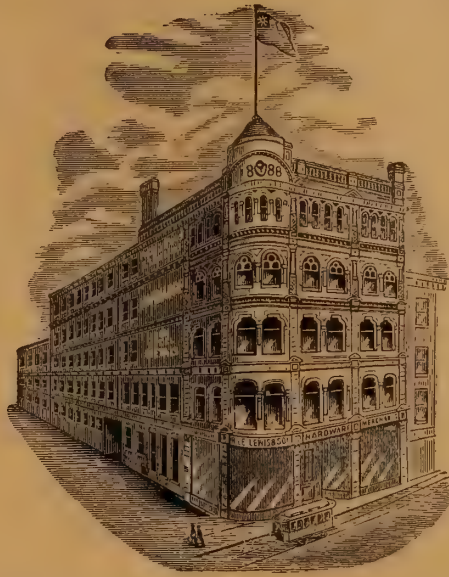
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W. H. Thorne & Co., Limited

ST. JOHN, N. B.

Established 1825 Important Decision relating to the Established 1825

HEINISCH



TRADE-NAME ON SHEARS, TRIMMERS, Etc.

The U.S. Circuit Court, Southern District of New York, Judge Townsend, has rendered a decision in the suit of "R. Heinsch's Sons Co. vs. Hermann Boker & Co."

"The Complainant is entitled to an accounting, and to an injunction restraining them from using the names 'Heinsch' or 'H. C. Heinsch' on its Shears, Labels, etc. and otherwise, in any way which will interfere with Complainant's enjoyment of the benefits of its Trade-name."

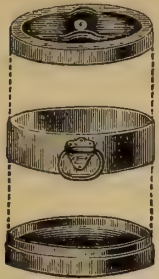
Referring to the above decision, we would respectfully state our determination to protect our rights in the premises and warn all persons against any imitation of our Trade name.

R. HEINSCH'S SONS CO.,

N.Y. OFFICE, 90 Chambers St.

NEWARK, N.J., U.S.A.

Not connected with any Shear Combination.



Iron Clad Pattern.

MILK CAN TRIMMINGS



Broad Hoop Pattern.

WHY YOU SHOULD BUY OUR MILK CAN TRIMMINGS.

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Our PATENT BROAD HOOP bottom has all the advantages of three-piece bottom, but is practically two-piece. The rim of Patent Bottom is turned in over edge of bottom proper, making smooth, uniform edge, that will not tear floors of factories or waggons.

Sufficient space is left between bottom proper and rim, to allow body of can to be inserted $\frac{1}{4}$ of an inch, making permanent joint.

Bottoms are thus sweated in with half the solder.

Bottoms are concave, draining to the centre, therefore are easier to wash out.

They will not corrode like those which drain to the side.

Top bands are "SHOULDERED" and have cut-out at joint, making neater and cleaner job in half time, than with old style hoop.

All bands have retinned edges.

For durability, finish and economy in making up our Trimmings are unequalled.

The Thos. Davidson Mfg. Co., Limited
MONTREAL, QUE.

Our Phoenix Red Sheet Packing

is not affected by oils, ammonia, liquors, steam, heat, or alkalies. It conforms to rough surfaces. It makes a perfectly tight joint. It retains its elasticity under any condition.



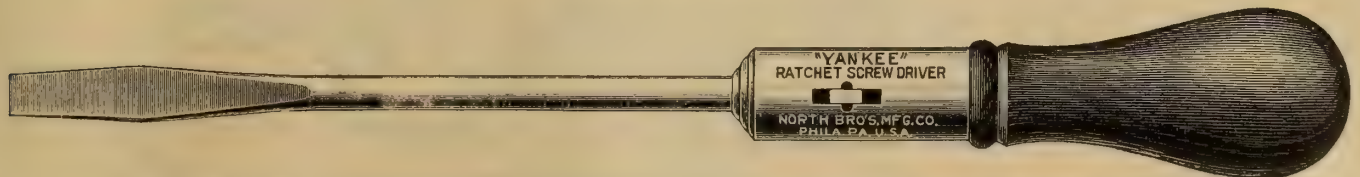
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SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

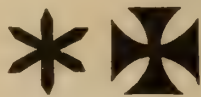
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LEWIS BROS. & CO.	-	-	-	"
SEYBOLD, SONS & CO.	-	-	-	"
RICE LEWIS & SON, Limited	-	-	-	TORONTO
JOHN BOWMAN HARDWARE AND COAL CO.	-	-	-	LONDON
HOBBS HARDWARE CO.	-	-	-	"
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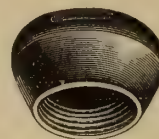
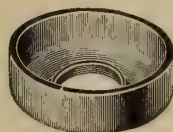
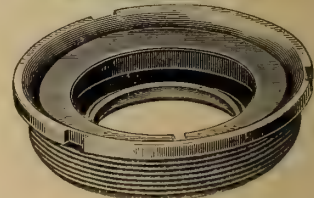
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These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

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and BRONZE.*All orders promptly and carefully
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Bicycle Fittings***OF ALL
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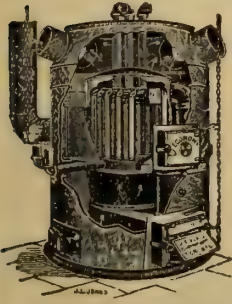
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and a prosperous New Year.

KEMP MANUFACTURING CO.

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Vol. X.

MONTREAL AND TORONTO, DECEMBER 24, 1898

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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

**PAYMENT OF ACCOUNTS BEFORE
THE NEW YEAR.**

WITH the approach of the New Year, most people make good resolutions of some kind or other.

A good resolution for a retail merchant to make just now is that he will, as far as it is in his power, pay every account, whether it has reached maturity or not, on or before the New Year.

It will pay him to do so, for there is probably not a wholesaler or manufacturer who would not be willing to give a little extra discount on payments met before they are due.

Around the Christmas holiday season there is usually a good deal of ready money in circulation, and the merchant has, in consequence, a good many cash sales. And, in order that he may be placed in a still more favorable condition to liquidate his liabilities, he might make a special effort to induce his customers to liquidate theirs to him.

The matter is worth being taken, not only into serious consideration, but it is worth being acted upon, and that vigorously.

The more a man gets outside himself the merrier will his Christmas be.

INVOICE VALUE OF IMPORTS.

Representatives of the Montreal wholesale trade had a conference on Wednesday with the Minister of Customs in regard to the clause in the Customs regulations governing invoices on which goods are entered at Customs. If the clause is enforced literally as it stands, it practically means that importers will pay duty on a fictitious value.

The suggestion of the Hardware and Metal Association, the Wholesale Grocers' Association and the Wholesale Dry Goods Association is that the declaration shall be that the invoice represents "the true market value" of the goods.

Mr. Paterson promised to give the suggestion his serious attention, and stated also that the Department had no desire to embarrass importers, and that he would instruct collectors to exercise reasonable discrimination in enforcing the clause of the regulations regarding invoices, so as not to inconvenience importers.

SHARP RISE IN TURPENTINE.

A JUMP of three cents in the price of turpentine has been a leading feature of the situation in Montreal and Toronto, the past week. The price for one to four-barrel lots in these cities is now 62c., and at outside points, delivered, it is 63c.

This advance is due, as stated last week, to the active demand by European exporters in the south, and the fact that stocks, both at primary points and leading distributive centres in the United States and in Canada, are away below where they stood last year.

For instance, at Savannah, they stood, on December 17, at 18,800, against 39,333 a year ago. And, while exports have been heavier to New York and interior points, it is significant that stocks are smaller, and leading Canadian centres are no exception to the rule. Late advices from the south stated that European buyers were keen bidders, and that it was largely their competition that was advancing prices.

The course of values at Liverpool and London, lately, corroborates this news from primary points. A week ago, the quotation for spirits of turpentine at Liverpool was 29s. 9d., and at London, 29s. 3d. On Tuesday, the figures had risen to 31s. 3d. at Liverpool, and 30s. 10½d. at London. In New York, as a result of this position, holders are acting very conservatively in regard to filling orders, as they are confident believers in a further appreciation in value.

Merchants who look well after the interests of their customers need not be concerned about their own.

BINDER TWINE COMPETITION IN CANADA.

THE large dividend which The Farmers' Binder Twine Co., of Brantford, Ont., recently declared is being the subject of a great deal of newspaper talk.

One paper, in commenting upon it, declares that this "dividend shows that the trade would bear more competition."

HARDWARE AND METAL has no desire to defend The Farmers' Binder Twine Co., or any other binder twine concern. But it does desire to have the question discussed in a sensible way.

To declare that more competition is necessary is utter nonsense.

There are, to-day, in Canada, five binder twine factories, namely, one at Halifax, one at Montreal, one at Kingston (the Penitentiary), one at Toronto (the Central Prison), and one at Brantford. All these are in operation.

The factories at Montreal and Halifax are owned by one concern, The Consumers Cordage Co.; those at Kingston and Toronto are the property of the Dominion and Ontario Governments, respectively, and the one at Brantford is owned largely by farmers. There are, therefore, four independent concerns. Not bad competition for a population of 5,000,000 people.

But that is the smallest part of the competition. The Canadian market, as everyone knows, is open for the free entry of binder twine from the big factories of the United States. And last season, out of a consumption of about 6,000,000 tons, at least 50 per cent. was imported from across the line.

To sum up, therefore, we have four independent binder twine factories in Canada, and a free market to the entry of United States binder twine. If this is not competition, what in the world is competition?

It might not be out of place, in this connection, to note that the Continental Binder Twine factory, at Brantford, and the factory at Port Hope, both owned by The Consumers Cordage Company, will not be operated this season, the plants having been removed to Montreal. But, last season, the factory at the Central Prison was not operated on account of the fire. As it is being operated this season, there is, therefore, one

factory less in commission than last year. But the competition will not be decreased thereby.

FLUCTUATION IN METALS.

The course of metal values outside has shown less fluctuation during the past week or so, but the general result of the recent changes is a decline in lead and spelter, and an advance in tin and copper and some of the other metals:

	Dec. 20.	Dec. 12.
British pig at London...	£2 8 10	£2 9 2
No 1 pig at Pittsburg....	\$10 50	\$10 50
Lead at London.....	£13 3 9	£13 2 6
" " New York.....	\$3 60	\$3 80
Spelter at London.....	£24 2 6	£23 16 3
" " New York.....	\$5 35	\$5 20
Tin at London.....	£81 15	£82 15
" " Singapore.....	£83 10	£83 10
" " New York.....	\$18 10	\$18 30
Copper at London.....	£55 5	£55 13 9
" " New York.....	\$12 85	\$12 85

THE TINPLATE CONSOLIDATION.

THE tinplate consolidation is now a fact, the official notification of the incorporation of the concern having been issued under the laws of New Jersey.

The title of the corporation is The American Tinplate Company, and the capital is \$50,000,000, of which \$20,000,000 is 7 per cent. cumulative preferred stock, and \$30,000,000 is common stock.

One of the most striking features of the charter is the regulations which restrain the officers and directors from executing mortgages on the property of the company, except upon the written assent and vote of two thirds of the shareholders. Then, again, the assent of the latter must be obtained before the directors can create a surplus fund not chargeable with the payment of dividends.

There are five classes of directors, who are to hold office for periods ranging from one to five years, thus necessitating an election every year.

An effort is being made to induce the tinplate manufacturers in Wales to imitate their confreres on this side of the Atlantic, but whether or not it will be successful remains to be seen.

The consolidation of the mills in the United States has had the effect of stiffening the tinplate markets, but it is not thought that the price in the United States will be marked up materially, the makers knowing

that the makers in Wales would be quick to take an advantage of such an opportunity to increase their exports to that country.

ORGANIZING AGAINST TRADING STAMPS.

OPPOSITION to the trading stamp scheme is generating. In Woodstock a fine has been imposed under the Transient Traders' Act, and cases are pending in other towns.

But one of the most significant signs is the organized opposition of the merchants. It is the most pronounced at present in Great Britain and the United States, but it is coming into evidence in Canada.

Last week the merchants in Galt, Ont., held a meeting and decided to have nothing to do with the trading stamp company, and signed an agreement to that effect.

The merchants in other cities and towns in Canada should follow the example set by their Galt confreres.

The trading stamp principle is unbusiness-like, alluring merchants, as it does, into allowing themselves to become the salesmen of the trading stamp company's goods, and, furthermore, into supplying the money out of their profits for paying for them as well. If only [one merchant in each branch of trade in each town had a monopoly of the trading stamps, it may be possible that he might attract such a large trade that he would be the gainer thereby. But no one can have a monopoly as long as his competitors are prepared to follow his example. In Toronto, to-day, nearly every storekeeper gives trading stamps, street car tickets, or something else of the same character.

The result, therefore, is that each storekeeper is toward the other on exactly the same footing as he was before the advent of the trading stamp.

But, while the storekeepers are toward each other on the same footing, each is also doing business at a smaller percentage of profit. Merchants are realizing this, and several have been heard to express an opinion to the effect that they wished they could get out of the tangle into which they had permitted themselves to be weaved.

What, of course, is the merchant's loss is the trading stamp company's gain. In other words, the merchant pays the piper and others enjoy the music.

GLASS IMPORTATION ORDERS.

THERE appears to be some difference in the attitude of the wholesale glass dealers in regard to the import business. Some are trying to encourage it; others are trying to discourage it. But this much has been gathered from a canvass of the trade: The great majority are discouraging it.

Aside altogether from what may be the opinion of wholesalers in regard to the matter, there is one thing in regard to the glass importation trade which should be taken into account before orders are placed. We refer to the position of the market.

The market, compared with the average of the last few years, is high; something like 50 per cent. higher than it was a year or two ago. The question is: Can the present price be maintained?

There are some who question whether it can, and that is the reason why so many are indisposed to book orders except at the risk of the buyer. This would mean, of course, that, in the event of the market dropping, the buyer would be the loser.

Under such circumstances it is for the buyer to determine whether it is best, with the present high prices ruling, to place import orders or to keep himself supplied through wholesalers' stocks.

So far the import business is not opening out very briskly.

AMERICAN PIPE IN SCOTLAND.

It will probably be remembered by readers of *HARDWARE AND METAL* that, a few months ago, a Philadelphia pipe firm secured the contract, in the face of local competition, for the supply of the corporation of Glasgow, Scotland, with iron pipe. It naturally created a great deal of interest at the time.

However, later on, some misapprehension was created as to delivery, the first shipment not having been delivered on time, and it was openly declared by some of the newspapers that the Philadelphia firm never meant to supply the pipe, and were merely playing a game of bluff. But, by our English exchanges of the early part of December, we learn that the first shipment was, after all, only a short time overdue, and that the second shipment was close at hand. It is now realized that the contract was bona fide, and that the

pipe manufacturers of the United States are actual competitors on the British market with the home manufacturers.

One British journal, which was sceptical as to the intention of the foreign firm to fill the order, in a recent issue, says: "We were consoling ourselves, wrongly, as it has since appeared, with the idea that the American firm, after all, did not want the Glasgow business. We shall be sorry to find that Philadelphia iron founders can beat the Scotch foundrymen at their own game, but we are glad of the opportunity of saying that we desire that all Americans and others, who come into our markets, should have fair play."

However, the demand in the United States is so good at present that it is possible the British pipe manufacturers will not, for a while, be bothered a great deal by American competition.

UNITED STATES GALVANIZED IRON IN CANADA.

JOBBERs are just now booking a good many orders for galvanized iron for importation, and it is worthy of note that at least some of them are finding that a larger share of the orders than they expected are for the American-made description.

One house estimates that, of the total orders booked, fully 40 per cent. are for the American article.

It is interesting to note in this respect that the exports from Great Britain for the four months of July, August, September and October, aggregated 2,135 tons, against 2,094 tons the same period in 1897, and 1,544 tons in 1896.

It looks, however, as though the American galvanized sheets are destined to be a permanent factor in the Canadian market.

BROOM CORN 50 PER CENT. DEARER.

A corner in broom corn is being manipulated by capitalists in the United States, and, as a result, the price of this product has been advanced 50 per cent.

From what *HARDWARE AND METAL* can gather, however, it is not likely that there will be an immediate advance in the price of brooms in this country, the manufacturers here having fairly good stocks of the raw material.

One manufacturer, who got an inkling of

what was going on, bought freely, and he has just taken into store 25 carloads.

Although there is not likely to be an immediate advance in the price of brooms, it would seem advisable for merchants to keep their stocks in this line well assorted.

MANUFACTURERS OF COPPER GOODS ORGANIZE.

An old association has been resurrected in the United States. We refer to the sheet and bolt copper association which for two years has been in its grave.

The sharp advances which have taken place in the copper market, have no doubt induced the manufacturers to come together for self-preservation, and one of the first results of their coming together is a new list and higher prices.

As by far the greater part of the sheet and bolt copper Canada imports comes from the United States, the reorganization of the defunct association, and the consequent higher prices are not without interest to importers in this country.

DROPS FROM THE EDITOR'S PEN.

Reputation is the corner stone of business building.

If you have a good idea put it where it will develop.

Keep Credit your servant if you would not lose your position.

It is more profitable for a man to perform his duty than to neglect it.

If you would have good clerks, do not make them mere machines.

A duty is no easier to perform because you make a wry face over it.

Business without a conscience in it is like a boiler without a safety valve.

Some people not only hold their own, but also that which belongs to others.

One must have a cheery nature in order to have good cheer at Christmas.

Contemplation propagates ideas, and energy puts them into operation.

Offensiveness is not independence any more than a corkscrew is whiskey.

DICK WICKETT'S CHRISTMAS.

By H. C. Ficklen.

IT was night. A great drab fog hung over the city, and that was what made the cold so intense. The snow had been shoveled from the sidewalks and was almost breast-high in the gutters. There was an ephemeral, dancing, iridescent nimbus around each of the electric lamps—a har-binger of more snow to-morrow.

A good many persons hoped it would snow to-morrow. It would be so jolly, they thought. But others checked them, and said: "Think of the poor; coal is way up yonder."

But, however, it was not yet the morrow. It was, as I have said, the night before—a cold, damp, mist-laden, snowbound, ideal night, for the time of year.

Oh, it was cold! Everybody said: "Jewhilikins, but ain't it cold!" "Great Scott! I'm nearly frozen!" or "It's colder than last Christmas eve—a long ways!"

But everybody was happy. Of course everybody was happy. People's faces were blithe and expectant, their step was quick and buoyant.

The truth was that every man in the passing crowd had in his mind an image of the cheerful and love-lit fireside at home—whither he was hastening. And nobody really minded the cold.

Cold? Foggy? Disagreeable? Why, it was a glorious night! All the people on the street said they liked it. It was just the sort of night they had read about in the stories in all the Christmas numbers of the papers.

Most of the stores had closed up, for it was quite half-past nine o'clock, and the shopping was about over.

Did I say all the stores were closed? I think not. Oh, no, most of them were, but the big department house of Skoop & Scrannell was still open. Yes, indeed! Old Skoop wanted it known that he was always willing to accommodate the public. He would have kept open all day Christmas if people were not such fools as to fritter away their time in merrymaking.

Skoop used to say that a store was a store, and ought never to be barred against anybody. He was almost sorry he didn't handle drugs and medicines too, so that he might require some of his men to be night clerks, and keep open on Sundays.

Yes, unquestionably, Skoop was a boor and a soulless old skinflint. If there was ever any milk of human kindness in him, he had long since gone dry.

He lived within himself, and it is not sur-

prising that he was so narrow. He was cold and repellent.

I won't have it that Skoop was a bit less mean than any other similar character, fictitious or real, that was ever depicted by more celebrated authors or raconteurs, because Skoop made a specialty of being all that I tell you, and more.

I can't give you any adequate conception of him, but nobody shall outdo me in this particular line.

I repeat, Skoop was the dickens of a fellow. He was a curmudgeon, a niggard, a lickpenny, a vampire, a muckworm and a hunks.

And he was a hard master withal. So poor Dick Wickett—honest soul!—was thinking as he stood there that night behind the big counter and wondered if closing hour would ever come. So all the clerks thought. "How those fellows must hate him!" said everybody outside who knew the establishment. And they had good grounds for the observation, for Skoop was always suspecting, or bullying or humiliating them in some way. He delighted to hold a discharge over some straitened fellow; and whenever the house was forced into subscribing to a monument or exposition fund as an advertisement, Skoop always assessed his clerks roundly, so that they might feel that they were members of the firm and take an interest in its reputation.

But I was telling you about Dick Wickett. Of course he longed for closing hour. A man gets no consolation from haberdashery and a bargain counter when he is hungry, and neither Dick nor any one in the store but Old Skoop had had a mouthful of supper.

But that was not Dick's greatest disappointment. He had been stinting and saving a few quarters out of his scandalously meagre salary for months, in order, as he said, "to have a little something for Christmas." And to-night he had counted on getting off early—in time to take Jenny, his wife, and Susan—the eldest girl—there wasn't a finer accordion pleater in Brooklyn than Sue—and Mary and Jack and little Dick into the top gallery of a theatre.

But Skoop had conceived in his inner consciousness that the present season was an abnormally busy one, and, accordingly, in the matter of closing, he departed even from the former departures he had made. So when Dick screwed up his courage to a pitch that would have immortalized him on a battlefield, and asked Skoop's permission to go, his petition was not only refused

with scorn and contumely, but also came near provoking his outraged employer to an assault.

And Dick's diminutive frame had shrunk up until it was almost unequal to holding his leal and cheery heart. He just hoped Jenny and the children would not take the matter too hard, and he was sorry he had mentioned his plan. A surprise was always the best course, especially if it was likely to be nipped in the bud before you could spring it on the beneficiary.

He had adopted such tactics a few nights before when he had gone out to the corner grocery, and, out of his holiday reserve fund, bought a box of raisins, at reduced rates because it was a "broken" box, and the other materials for a plum pudding, to be made by his mother's recipe, such as would afford the Wickett family an unwonted experience and make it enthusiastic for a whole year to come.

"Well," he now reflected thankfully, "the night before Christmas isn't the whole of it."

Once out of the store Dick flew home like an uncaged bird. All his vexations vanished before the thoughts of the day to come. He was not a vindictive fellow, and as he thought of Skoop and his loveless life he pitied the selfish old man.

How much happier he was than Skoop with all his money! Then he fell to thinking how different Skoop's Christmas would be from his own. How could Skoop help knowing that not a creature in the world cared for him? Awful to think of!

Dick tried the experiment of putting himself in Skoop's place. He realized his isolation and the reaction of his selfishness. Then, too, what of Skoop's prospects in the next world?

He had started this mental comparison of Skoop's state with his own to add to his content, but he now reproached himself for gloating over poor Skoop's relative wretchedness—and at this time of all others.

A great flood of Christmastide charity filled his heart, and, rapid as was his pace, he had done a deal of thinking, struggled

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with strong emotions, and was in the glow of a fixed determination, before he reached his door.

He burst in upon the crestfallen little company that were sitting up for him in his combination parlor, dining-room and chamber, with "A merry Christmas, my darlings!" After he had kissed them all around and had little Dick upon his knee, Mrs. Wickett said:

"I suppose that hateful old thing kept you on purpose, Dick, dear?"

"Jenny," said Mr. Wickett, with a look of gentle reproach, "is there an almanac in the house? Suppose you refer to it and see what day this is. There are the children, my dear, and I never saw them more attentive."

I don't know whether Dick Wickett had read Dickens or not, but that is what he said at any rate.

"Oh, Dick, you're a good man, and I know what you mean, but its good will to men we must have, and old Skoop isn't human," replied Mrs. Wickett.

"He has been kind to us, after all, Jenny," answered Dick.

"When," said she. "When you helped the truckman with the box of goods, and it fell on your leg and broke it, didn't he dock you for the time you lost?"

"Yes, but consider my dear, he might have discharged me. Oh, Jenny, I have been thinking of this blessed season as I come home—of how it is better to give than to receive—and of that poor old man whose meanness has perhaps crept upon him imperceptibly and made him miserable. It might soften him if some one would return love for his hate. It's a cross to do it, perhaps, but Christmas is a time for sacrifices and good deeds. I have thought it all over, and do you know what I want to do Jenny? May I be forgiven if I wrong my own, but I believe we shall all be happier for it. Jenny, I want to send our plum pudding over to Mr. Skoop with my best wishes."

I shall not detail the rejoinder, nor the scene that followed this noble utterance of Dick Wickett. I shall draw a veil over the brief misunderstanding and the tearful reconciliation.

Suffice it to say that the Wickett plum pudding—the whole of it, lest Mr. Skoop should argue that they merely sent what was left over—went into old Skoop's door before noon the next day, being carried there, with the right sort of note, by young Dick Wickett.

* * * * *

And Skoop. What of him? Well, there were strange goings on in Skoop's rooms, too, on Christmas Eve. The old sinner had

expected to be bored by the holiday to the last degree.

Everybody would be happy, and that was enough to disgust Skoop ordinarily. He really did not know how he should get through with the day.

As he left the store that night, with this thought uppermost in his mind, he had picked up at haphazard two or three books published in a cheap paper "library," exposed for sale on his book counter.

It was an unusual thing for Skoop to do, for he had not wasted any time reading for years and years. But this holiday promised to be peculiarly oppressive to him, and he wanted something to pass the time, and this was a dernier resort with him.

As he sat shivering around his travesty of a Yule log, he picked up one of the books with an indifferent air to see what it was. It was a wonder he ever opened the cover. But he did. He read it far into the night. It was a wonder! For what do you suppose he had got hold of? Here is what the title page said: "A Christmas Carol. By Charles Dickens."

Of course it was the queerest coincidence that ever happened. But the strangest thing was that Skoop read with such intense interest.

At first he affected a lofty disdain for the book. And then all of a sudden the spell

of the story came over him. His head fell on his breast, but he read on. Did he see the parallelism between Scrooge and himself, and between Bob Cratchit and Dick Wickett? Of course he did. Skoop had been a mean man, but, let me tell you, reader, he was just as smart as you.

Yes, he saw himself as others saw him, and he was frightened at his own loathsomeness. For the first time he saw that he was avaricious and contemptible—that he was grinding his employees and robbing them of their labor.

A great light broke over Skoop. Before he went to bed he knew that he was a changed man.

In the morning he was conscious of a slight revulsion of feeling. He would have liked to put himself under the pilotage of the Ghost of Christmas Present. He doubted if Dick Wickett would ever drink his health as Bob Cratchit did Mr. Scrooge's.

Then the pudding came.

* * * * *

There was a great surprise in store for honest Dick Wickett the morning after Christmas. Now don't clap your hands and say "I'm so glad, he deserved it."

Of course it is expected that people who start in to read a Christmas story will foresee all the ramifications of plot and sight the denouement miles away in the offing, and I give you credit, reader, for the aver-



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THE SHERWIN-WILLIAMS CO.
Paint and Varnish Makers
CLEVELAND, CHICAGO, NEW YORK, MONTREAL, BOSTON

age discernment and penetration. Still, premature applause is not complimentary to the appralee.

So no interruptions, please, at this critical juncture. Let me finish just as if you did not know all about it.

I said there was a surprise for Dick Wickett the morning after Christmas. Did he walk down to the store and find Old Skoop waiting at the door to raise his salary?

Not a bit of it. He was arrested before he got up.

Skoop had died suddenly Christmas night - so suddenly and mysteriously that an autopsy was held, and the cause of death was found to be arsenical poisoning.

The analysis of a half-eaten plum pudding revealed the presence of arsenic in large quantities, and said pudding was easily traced to Richard Wickett, who was promptly arraigned and committed on a charge of murder.

* * * * *

Of course, reader, you and I know that Dick Wickett was innocent. We may even know that this tragic occurrence was due solely to a grocer who kept "Rough on Rats" lying around loose in too close proximity to open boxes of raisins.

But, unfortunately, we who constitute the best and most knowing portion of the community take pains to keep our names off the jury lists, and, therefore, none of us served on the panel which tried Dick Wickett.

And—would you believe it?—that grocer, fearing to lose customers, or apprehending something even worse, if he admitted his criminal carelessness, swore that he sold Dick a box of "Rough on Rats."

And as to motive, why, the jury appears to have thought that any man in the employ of Old Skoop had ample motive for murder. At any rate, they convicted him, and—it was before the passage of the electrical execution law—he was sentenced to be hanged.

You will be glad to hear, however, that the grocer was finally appalled at the prospect of having innocent blood on his hands as the result of his perjury, and interested himself in Dick's behalf. He had a "pull" of some kind in his ward, and managed to induce the governor to commute the sentence to imprisonment for life.

Dick Wickett is now in Auburn State Prison. If ever you go there, look him up.

And as to Mrs. Wickett. Well, of course, as the maker of the pudding, she had been indicted along with her husband, but a neat and conclusive piece of evidence cleared her.

But, she had obtained so much notoriety from the case that, if only to support the family left dependent upon her, she went on the stage, and is now starring it out west somewhere as Lucrezia Borgia.

And as to Skoop. Well, I can't speak positively about him. We shall be obliged to give Skoop the benefit of the doubt.—The Quaker,

ILLUSTRATED ADVERTISEMENTS.

ON every hand it is stated that it pays to illustrate advertisements, and this is all the truer before the holidays, when every possible effort is made to bring in trade, remarks Stoves and Hardware Reporter. There are many benefits connected with the use of illustrations. They make the advertisements far more attractive, and catch the eye much more quickly. People, too, are thus enabled to gain a clearer idea of the appearance of the article advertised, just as a story which is profusely illustrated always produces a more vivid impression upon the reader's mind of the characters which the author attempts to delineate. It is found, too, in literature that illustrated articles or reading matter always find a ready sale because of their desirability pictorially, as well as their interest from an intellectual point of view. Under almost every consideration it is a good plan to use good pictures. The question of expense ought not to be a deterring one, because the outlay need not be very large. Have only a few engravings made at a time, and afterward, when a number of them have been acquired, they can be used repeatedly if desired. In hardware, particularly, where there is no great or marked change in designs and patterns, this can be readily done. The jobbers are very lavish in the use of engravings, and would, doubt-

less, be willing to furnish some to retailers, who would be highly benefited by the use of them. It may be added, in closing, that there is no better way to introduce new goods.

A HEAVY FAILURE.

The statement of Alphonse Pallascio, dealer in hardware and housefurnishings, who assigned the other day, was filed at Montreal on Tuesday. The creditors include 135 names, and the total liabilities amount to \$228,000. A large portion of this is formed of mortgages, these liabilities amounting alone to \$90,000. The remainder of the names includes some of the leading hardware firms. Nothing is yet known as to what the estate will show.

Other creditors were: The Bank of British North America, notes for \$13,000, and the Jacques Cartier Bank for \$1,600. Among the largest ordinary creditors are Abbott & Co., \$1,883; J. A. Bulmer & Co., \$3,500; Caverhill, Learmont & Co., \$3,820; Dominion Wire Company, \$2,900; P. D. Dods & Co., \$2,583; J. & B. Grier, \$3,800; E. H. Lemay, \$1,600; J. Smart Mfg. Co., \$1,125; Scarfe & Co., \$1,100; W. Williamson, \$1,590; E. Quintal, \$1,800; J. Mathieu, \$2,000; Campbell & Gilday, \$1,294; F. Castle & Son, \$2,259; R. Donaldson, \$1,529; H. Dufort, \$1,404; A. Mackay & Co., \$2,350; J. Jacob, \$1,200; O. Leger, \$2,500; Laprairie Pressed Brick, \$3,000; J. Morrison & Son, \$1,533; J. Shearer, \$1,631.



GILBERTSON'S
"COMET"
BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized

and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS:

"Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

ALEXANDER GIBB

Agent 22 St. John St., MONTREAL

37-39 West Front Street

TORONTO

WE thank our customers for the
LIBERAL PATRONAGE
extended us during this year, and
wish one and all

A MERRY CHRISTMAS

AND

A PROSPEROUS NEW YEAR

H. S. HOWLAND, SONS & CO.

WHOLESALE
HARDWARE
MERCHANTS

TORONTO.

NEW YORK MARKETS.

PIG TIN—Between higher cables from London and absence of fresh importations here, the market gained additional strength, and holders realized a neat advance on yesterday's prices in some instances. The volume of business was not remarkably large, nor did dealings involve other than small quantities except in remote instances, but the distribution continued remarkably good for this season of the year. Business was mostly at prices in line with 18.10c. net, and 18.15 to 18.20c. f. o. b. for 5-ton or larger lots, and 18.25 to 18.30c. for jobbing quantities.

COPPER—Nothing new regarding operations in any variety of the metal developed here. Whatever the large producers may have accomplished thus far in the direction of securing orders for next year's delivery is still held secret, but that spot business continues exceedingly light there is no doubt. Prices are somewhat uncertain, with the range of 12¾ to 12⅞c. quoted for Lake Superior ingot, 12½ to 12¾c. for electrolytic, and 12¼ to 12c. for casting stock.

PIG LEAD—The market was quieter here, and private advices from the West noted not only smaller buying for consumptive account, but some modification of speculative dealings. Prices were held quite firmly, at 3.77½ to 3.80c., for common domestic, prompt or near future delivery, and more or less premium was asked for February and later shipments.

SPELTER—Carload lot business is about all that is being effected in this quarter, and the volume is moderate. Prices are still more or less variable, and disturbed somewhat by erratic Western "official" quotations. Good Western are not offered at less than 5.25c., delivered here, and up to 5.35c. is asked for some makes.

ANTIMONY—Moderate business in jobbing way is about all that passes at present, and prices remain at 8⅞ to 9½c., as to brand.

TINPLATE—Business here is almost wholly of retail nature, and nowise enlivening reports come from other quarters. Prices are still nominal to a great extent.

IRON AND STEEL—There is a pause in operations in both crude material and finished products, but indications seem favorable to renewed activity later on, and values are firm throughout.—N.Y. Journal of Commerce.

GOLD MINING IN THE CARIBOO.

Mr. Albert Oakley, who was formerly connected with the lumber branch of The Davidson & Hay, Limited., is in Toronto spending the holiday season. For the past year he has been in British Columbia, where he has been engaged with The Cariboo Con-

solidated Mining Co. His report was most satisfactory in regard to the mining industry in the Pacific Province. The conditions in Rossland were particularly favorable. Speaking of the hydraulic placer mining in the Cariboo country, he said that good results were being obtained. "The surface placer miner," he said, "has had his day, however. It is now the turn of the hydraulic miner, who gets down deep for the gold."

ENORMOUS SALES OF PIG IRON

The situation in Bessemer pig iron is very strong. On December 1 it was estimated that the Mahoning and Shenango Valley furnaces, composing the Bessemer Furnace Association, had sold over 300,000 tons of iron, none of which was in stock or had been made. To this must be added close to 150,000 tons sold last week by the selling agency in Pittsburgh, which gives the valley furnaces 450,000 tons of iron sold and yet to be made. Running to maximum capacity, it is estimated that the furnaces in both valleys cannot make over 75,000 tons a month, as five or six of them are now running on mill, foundry, or basic. This means that these furnaces have sold practically all the iron they can make in the next six months, and accounts for the very strong condition of the Bessemer pig iron market.—Iron Age.

NEW FIRMS COMMENCING.

S. E. Kent is opening up a hardware store in Wingham, Ont.

R. Jacob is started up as hardware merchant in St. Henri de Montreal.

Lawrence Frame has commenced business as harnessmaker in Treherne, Man.

H. C. McQuarrie has started up as dealer in agricultural implements in Stonewall, Man.

THE PRICE AS LOWELL SAW IT.

Earth gets its price for what Earth gives us,
The beggar is taxed for a corner to die in,
The priest hath his fee who comes and shrives us,
We bargain for the graves we lie in;
At the devil's booth are all things sold,
Each ounce of dross costs its ounce of gold;
For a cap and bells our lives we pay,
Bubbles we buy with a whole soul's tasking,
'Tis Heaven alone that is given away,
'Tis only God may be had for the asking.
No price is set on the lavish summer,
June may be had by the poorest comer.
—The vision of Sir Launfal.

By a regulation which goes into effect at the beginning of the new year all newspapers have to pay postage—this means that post office branches in towns, cities or villages, where a newspaper is published, will have to buy scales to weigh the papers, unless they have already got them. It's worth looking into.

Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent,
April 3 1897.

With Plated Rust Proof and Guarded Spring.
"The Latest and Best." Sold by all Leading
Jobbers in Canada.

PRIEST'S CLIPPERS

BALL
BEARINGS



Largest Variety,
Toilet, Hand, Electric Power
ARE THE BEST.
Highest Quality Grooming and
Sheep-Shearing Machines.
WE MAKE THEM.

SEND FOR CATALOGUE TO
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GOATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel and will not heat. 1899 catalogue ready.

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AXE HANDLES

Very heavy stocks
Thoroughly seasoned goods
Can ship promptly and
supply the very best

We make a
specialty of....

"Hand Shaved"

Octagon
Axe Handles

Made by
Indians

being the largest dealers in Canada in this line
Can give exceptional value.
Have 5,000 dozen of these handles
on hand, ready for polishing.
Write for prices.

Eastern Agent—W. B. Murdock, Amherst, N.S.
Western Agent—Jno. Burns, Jr., Vancouver, B.C.
Montreal Agent—Alexander Gibb, 22 St. John St.

W. C. CRAWFORD

Tilbury, Ont.



Ontario Nut Works, Paris
BROWN & CO.
 Manufacturers of
 All sizes of Hot Pressed
 Nuts, Square and Hexagon

KNOX HENRY.
 Heavy Hardware and Metal Broker
 Room 220 1/2 Board of Trade, MONTREAL.

SPECIALTIES—C Brand Horse Nails—Canada
 Horse Nail Co.
BOLTS—Tire and Stove Rivets of all kinds—
 Chalcraft Screw Co.
BRASS GOODS—Gunn Castor Co., Limited,
 Birmingham, Eng.

English Castor Oil

GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
 First Pressure
 Second Pressure

In cases of 2 tins and in barrels. Stocked
 by all Hardware, Oil and Color men.

The Hull Oil Manufacturing Co.
 LIMITED

B. & S.H. THOMPSON & CO.

Agents for Canada - MONTREAL

ADAM HOPE & CO.

30 JOHN STREET

Hamilton

Offer for Prompt Shipment

CANADA PLATES

ALL BRIGHT, 18 X 24 and 18 X 21
 HALF BRIGHT, " "

Galvanized Iron,
 Queen's Head and Juniata.

Lockerby & McComb

Manufacturers of

WOODENWARE of all kinds
 WASHBOARDS, SLEIGHS
 TOY CARTS, WAGGONS
 CROKINOLE GAME
 "CROQUET A SPECIALTY"

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MONTREAL

We are the Oldest and Largest Manufacturers of

SCREWS and BICYCLE PARTS

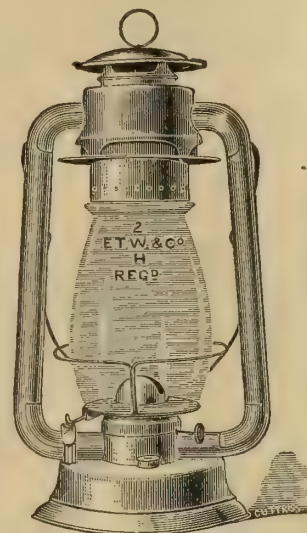
in the Dominion. You know what that means, that if you
 want proper goods at proper prices you should write us,
 which please do if interested.

The...

John Morrow Machine Screw Co.
 Ingersoll - Ontario.

E. T. WRIGHT & CO.

Manufacturers of



Milk Can
 and
 Creamery
 Trimmings
 Stamped and
 Pieced
 Tinware
 Bird Cages
 Flour Sifters
 Mouse Traps

HAMILTON - CANADA.

CORDAGE . .

ALL KINDS AND FOR ALL PURPOSES.

Manilla Rope
 Sisal Rope
 Jute Rope
 Russian Rope
 Marline
 Houseline
 Hambroline
 Clotheslines

Tarred Hemp Rope
 White Hemp Rope
 Bolt Rope
 Hide Rope
 Halyards
 Deep Sealine
 Ratline
 Plow Lines

Lath yarn
 Shingle yarn
 Bale Rope
 Lariat Rope
 Hemp Packing
 Italian Packing
 Jute Packing
 Drilling Cables and

Spun yarn
 Pulp Cord
 Lobster Marline
 Paper Cord
 Cheese Cord
 Hay Rope
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 Sand Lines

"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable.
 Orders will not be accepted for second quality or "mixed" goods.

CONSUMERS CORDAGE COMPANY, Limited

WM. B. STEWART, Agent, 20 Front St. E., TORONTO.

TEL. 94.

Montreal, Que.

THE CANADA PAINT CO.'S ANNUAL DINNER.

A REUNION, which is eagerly looked forward to by the Canada Paint Co.'s staff, took place at the Queen's Hotel, Montreal, on Friday, Dec. 16. In connection with this event, which is now an annual affair, it may be mentioned that in December in each year the entire traveling staff of this company meet at headquarters to discuss business and to come in contact with the heads of departments to brush up any points they may be deficient in, and generally to map out, under the guidance of the general-manager, the policy for the

filed to their seats in military order, the band struck up

The Travelers Are Comin',

and no little enthusiasm was raised in the well filled house. Another evening was devoted to a drive in handsomely appointed four-in-hand sleighs, arranged for by a large transportation company. The amusements were enjoyable and highly appreciated, but the chief entertainment was reserved for the last day of the "convention," viz.:

THE ANNUAL DINNER.

This was served in the ladies' ordinary at the Queen's Hotel, under the direction of the popular manager of that hostelry, Mr.

MENU.

Oysters on Half Shell.		
HORS D'ŒUVRES		
Celery.	Canape Caviar.	Olives.
POTAGE.		
Mock Turtle au Madere.		
FISH.		
Lake Superior Salmon, Sauce Argentine.		
Pommes Duchesse.		
RELEVE.		
Tenderloin of Beef Saute Bordelaise.		
JOINTS.		
Prime Ribs of Beef au Jus,		
Young Turkey, Cranberry Sauce.		
GAME.		
Black Duck, Port Wine Sauce.		
VEGETABLES.		
Mashed Potatoes.	Boiled Potatoes.	
Brussels Sprouts.	Turnips.	



CHRISTMAS IN THE KLONDYKE.

Rancho Bill (as the smoke clears away)—"Well boys, I'll admit I've got a bad temper; but you must acknowledge it don't last long. Lets licker up!"

coming season. The majority of the travelers are not only practical salesmen, but are specialists in the business, and the exchange of views, under the circumstances which we have indicated, cannot fail to be extremely beneficial, not only to the employers and themselves, but to the numerous clients all over Canada of this aggressive and popular corporation.

Hard work during the day and innocent relaxation in the evening is the programme mapped out. One evening, on the invitation of the office staff, the travelers were entertained at a theatre party at the opera house. Thirty-five seats were reserved in the orchestra chairs, and, as the gentlemen

Fuchs. The affair was a most felicitous one. Boutonnaires of American Beauty and La France roses were provided, the staff evidently having a penchant for "color." The tables were profusely decorated with flowers, the climbing clematis and the trailing arbutus peeping forth here and there, while British, Irish, French and American flags were profusely in evidence. This, with sweet music discoursed by the orchestrea, provided an ensemble not easily forgotten.

The menu, which is a work of art in blue and gold, printed by the Canada Paint Co.'s press, is as follows:

ENTREMETS.

English Plum Pudding, Brandy Sauce.	
Tutti Frutti Ice Cream.	Assorted Cakes.
Cheese.	Coffee.

The sherry and nuts being produced, the health of Her Majesty the Queen was proposed by the chairman, Mr. Robert Munro, and much enthusiasm was aroused when the mandate went forth "fill your glasses gentlemen—"The Queen, God Bless Her." After the excitement had somewhat subsided, Mr. Henry Clucas sang "Mylacrane," a Manx song, and for an encore gave some of his experiences in Paris this summer. In his well-known graphic style, Mr. Clucas took his audience out to Versailles, through the forest of Luxemburg,



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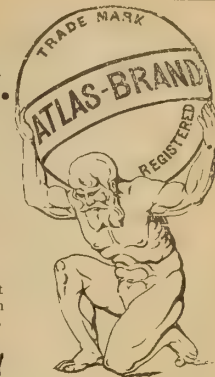
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Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d. and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality for general and special purposes

EMERY GRINDING MACHINERY



10-12 Vine Street
Clerkenwell,

LONDON, E.C.

the art galleries, Napoleon's tomb, the morgue, Place de la Concorde, Notre Dame church, the Bastille, cemetery of Pere la Chaise, winding up with the gay Mabilie and Moulin Rouge. We must draw a veil over his description of the Latin Quarter, as the majority of the readers of **HARDWARE AND METAL** are notably sensitive and extremely shy!

Responding to the toast of "The Canada Paint Co.," the chairman gave a brief resume of the company's operations for the year, which showed a remarkable increase over that of 1897. The company were taking full advantage and sharing in the present era of prosperity, and there was every prospect of a still better output for 1899. Mr. Munro thanked the staff for their loyalty and support, and drew attention to the additions to the plant and factory to keep pace with the ever-increasing volume of trade.

The motto of this company is evidently, not only "What we have we will hold"—but, "While we live we will grow."

Dr. Kyle, the chemist of the company, then gave "The Old Kent Road," a la Chevelier, and in response to a recall, read his paper entitled "Acid vs. Alkali." Now there is no free alkali in Mr. Kyle's nature, nothing but smooth, rich, oleaginous matter, so his paper took immensely.

"Our Guests," proposed by Mr. H. W. Aird, and ably responded to by Mr. Storey, of The Brockville Carriage Co., was followed by a song from Mr. W. H. Evans. This ditty was voted of rare antique flavor and was warmly received with a reverence due to old age.

Toasts followed in rapid succession when the proceedings were temporarily suspended to admit of the initiation of Mr. Parks, the latest acquisition to the staff. Open lodge having again been proclaimed, Mr. Barry sang "Sweethearts" very acceptably and was enthusiastically applauded.

The vice-chairman, Mr. H. W. Aird, contributed "The Irish Donkey Cart,"

creating roars of laughter, and Mr. R. D. Munro furnished a comical sketch from Mark Twain.

Mr. Chas. Felch sang "The Hills of New Hampshire," and, being recalled, recited "On the Banks of the Wash Tub Far Away" very pathetically.

Mr. Chas. Little's contribution, "The Banks of Loch Lomond," was of genuine merit, while Mr. Macdonald's musical turn, entitled "Recollections of Scotland," carried one back to the land of moss and fell, especially when he played "Sweet Edinburgh, I Smell Thee Noo," one's olfactory nerves were tickled, there was not a "dry tear" in the house, and a wave of emotion swept over the room.

Mr. Ayling was not true to his name, because he was in splendid form and sang "Tom Bowling" charmingly. Messrs. Dowd and Walton indulged in a spirited debate "Toronto versus Montreal," after which Mr. R. A. Webster rattled off in fine style "The Habitant's First Visit to Montreal." Mr. Robert Bremner sang Santley's great basso-profundo solo entitled "My Mind a Vast Store House Is," with great eclat.

Mr. Gabriel Crawford created a furore with his original Italian song "Squeak, Squeak, Squeak."

"The Bell(e)s of Shandon," contributed by Mr. W. T. Andrews, of the British Columbia staff, was a racy composition, commencing:

Oh the Bell(e)s of Shandon
They walk so grand on
By the pleasant waters
Of the River Lea.

Next came Mr. Cox, the company's pressman, who gave "Pi and Pica or the Printer's Devil!"

"Tim Finnegan's Visit to an Orange Lodge," given in Mr. Lee's inimitable style, was a fitting prelude to Col.-Sergeant Cobb's essay headed "What I Know About Paris Green."

After a song from Mr. Brady, Mr. James Ayres, of the varnish department,

read a technical paper "Chewing Gum as a By-Product." This was voted rather a "tacky" subject, and the audience called upon Mr. Munro for his Highland song in the Gaelic, after which the William Street Glee Club struck up "Auld Lang Syne." and The Canada Paint Co.'s annual "feast of reason and flow of soul" for 1898 was over.

"COMET" GALVANIZED IRON.

Mr. A. Gibb reports several large sales of "Comet" galvanized sheets. This brand is giving satisfaction, and is already well established in this market. The quality and finish of these sheets are uniform. They are made of superior soft Siemens steel, smooth, well galvanized, will double seam either way of the grain, and are rolled true to gauge.

These sheets are made by W. Gilbertson & Co., Limited, Ponterdawe, South Wales, who are determined to make as great a reputation for the "Comet" galvanized sheets as for their well-known brands of tin and turned plates. They also manufacture an imitation Russia sheet, which is giving good satisfaction, judging from the number of orders received for them.

CATALOGUES, BOOKLETS, ETC.

THE BATTLE OF MANILA.

Uncle Sam's citizens are nothing if not patriotic, and this applies to corporations, as well as individuals. The battle of Manila is an historic and striking incident of the late war with Spain, that The Illinois Cutlery Co., of Decatur, Ill., have utilized to illustrate a handsome yearly calendar that they are issuing to the trade. They will be sent to readers of **HARDWARE AND METAL** on application.

No less than 14 American commercial travelers were in the city the other day doing business. The Christmas trade, no doubt, is partly responsible for the influx.—London News.

MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Dec. 23, 1898.

HARDWARE.

THE volume of business in hardware is, naturally, not extensive at present, but all jobbers admit that it is surprisingly good for the time of the year. This has been particularly the case during the past ten days or so, when orders for small general assortments of hardware have been quite numerous. All kinds of hardware were included in these orders, such as bolts and nuts, screws, clothes wringers, builders' and carpenters' supplies, in fact, the entire list of light hardware. Cutlery and skates have also been quite active in a sorting way, and jobbers, owing to light stocks and delayed deliveries, experience considerable difficulty in executing the frequent orders for sleigh bells.

BARB WIRE—Inactivity still dominates this line, and values are nominally unchanged at \$2 f. o. b. Montreal.

PLAIN WIRE—Trade almost motionless, and discounts unchanged at 37½ per cent

on oiled and annealed, and 30 per cent. on galvanized.

WIRE NAILS—Demand for these is of a light character, but remarkably good for the season of the year. Prices are unchanged at \$1.70 to \$1.75.

CUT NAILS—Quiet, with a few small lots moving locally. We quote \$1.75 f.o.b. Montreal, Toronto, Hamilton and London.

HORSE NAILS—There is a very good movement in these for this time of the year, and discounts are 50 per cent. on Standard, and 50 and 20 on Acadia brand.

HORSESHOES—In good inquiry in a small way. We quote as follows: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35; toe weight, \$5.50.

SCREWS—There has been a fair inquiry for these. Discounts are: Flat head bright 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount 30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—A good demand for the season is reported. Discounts are: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5; tire bolts, 70 and 5, and sleighshoe bolts, 80 per cent.

RIVETS—Business is of a quiet character, and discounts are 65 per cent. on iron, black and tinned of all sizes, and 45 per cent. on copper rivets.

CORDAGE—Business is quiet and prices are easy. We quote as follows: Sisal, 7-16 and up, 10c.; ¾, 10¼c.; 5-16 and ¼, 10½c., and 3-16, 10¾c. Manilla was unchanged: 7-16, 10½c.; ¾, 11c.; 5-16 and ¼, 11½c., and 3-16, 12c.

CHURNS—There is a fair trade doing in these, and prices are steady.

CLOTHES WRINGERS—Quite a number of these have been asked for in sorting orders this week. We quote \$29 to \$30 as to brand.

BUILDING PAPER—Steady and quiet. We quote: Tarred fibre, 45c.; dried

TO OUR MANY PATRONS.

ALL our customers now have a
MERRY laugh of satisfaction at their excellent
CHRISTMAS trade in Famous Enamelled Wares
AND "everything for the tinshop."

A year, such as the past, for
HAPPY business relations between you
AND ourselves, we are very thankful for. Wishing you a
PROSPEROUS business for 1899, and trusting, that with our
NEW goods, we may have your liberal patronage from
YEAR to year, as we have had in the past.

A good resolution for 1899:

ORDER FROM McCLARY'S, WHO SHIP ORDERS QUICK.

The McClary Manufacturing Company

LONDON

TORONTO

MONTREAL

WINNIPEG

VANCOUVER



The metal-worker who uses common galvanized iron makes his business harder to do and harder to get; and, of course, his profits less.

Apollo Iron and Steel Company
Pittsburgh

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

ROLLING MILLS

.. MONTREAL

MERCHANT BAR IRON—

Best Refined Bar Iron	AVB
" " Rivet Iron	AVB
" " Horseshoe Iron	
Ex. Best " Bar Iron	AXB
" " Rivet Iron	AXB
" " Stay Bolt Iron	AXB
" " Hammered Iron	AHB
" " Charcoal Iron	ACB

Tyre, Sleigh Shoe,
Axe and Rivet STEEL.

CANADA IRON FURNACE CO.,

Limited
Manufacturers of

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que. Three Rivers.
Lac a lac Tortue. Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

ditto, 35c.; tarred sheathing, 30c.; dried, ditto, 25c.; tarred roofing, \$1.20.

HINGES—Without alteration: 6 to 12 in., \$3.50 per 100 lb.; 14 inch, \$2.50; screen door, \$6.50 per gross, and T and strap, 70 and 10 per cent. off the list.

CUTLERY—Case table cutlery and the finer descriptions of pocket cutlery have been moving quite freely in a small way.

SPORTING GOODS—Fair quantities of guns and ammunition are still asked for.

SKATES—Demand for skates has been quite brisk during the week.

SLEIGH BELLS—Jobbers have been experiencing difficulty in getting their orders filled and still are working on small supplies of these.

CEMENT—Business in round lots for western shipment was closed early in the week, but there have been no negotiations since. We quote ex store: English, \$2.35 to \$2.45; German, \$2.50 to \$2.60, and Belgian, \$1.90 to \$2.10.

FIREBRICKS—Steady and unchanged at \$18.50 to \$24, ex store.

METALS.

There has been some fluctuation in metals outside, chiefly in lead, spelter and tin, but, in this market, steadiness has been the rule.

PIG IRON—This material remains steady, and some 30-ton lots of Scotch pig have changed hands at \$18, while No. 1 Hamilton in car lots has been placed at \$15. We quote: No. 1 Hamilton, \$15 to \$15.50; No. 2, \$14.75; Ferrona \$14.75 to \$15; Siemens, \$14.75 to \$15, and Summerlee and equal brands, \$18.50 to \$19 ex yard.

BAR IRON—There has been a fair inquiry for iron, and sales are reported at \$1.30 to \$1.35 as to quality.

HOOPS AND BANDS—In moderate request and steady a \$1.75 to \$2.

SHEET STEEL—Dull but steady. We quote: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50 18 to 20, \$2.30; 22 to 24, \$2.45 26, \$2.55, and 28, \$2.80.

SHEET IRON—The same remarks apply to this line. We quote: \$2.10 on 10 to 16 gauge; \$1.80 on 18 to gauge; \$2 on 22 to 24 gauge; \$2.10 on 26 gauge, and \$2.15 on 28 gauge.

GALVANIZED IRON—Quiet and steady. We quote: "Queen's Head," No. 28, \$4 to \$4.15; and "Comet," No. 28, \$3.75.

INGOT COPPER—There has been some fluctuation in this metal in London, but it has ruled steady in New York, and spot quotations are firm at 13c.

SHEET COPPER—Unchanged: 16-oz., 16c., and 14-oz. 17c.; tinned copper, 16-oz., 18c.; 14-oz., 18½c., and planished 14-oz., 24c.

INGOT TIN—This metal declined in New York last week, and also in London, but this

Iron, Steel and Metals.

Best brands at low prices for import, to wholesale buyers only.

A. C. LESLIE & CO.

MONTREAL

Wire Guards

— for —

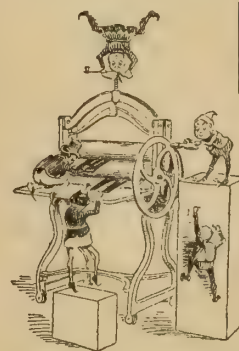
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The B. Greening Wire Co.
LIMITED

Hamilton, Ontario and Montreal, Que.



Mangles

Always in season, but especially so in hot weather.

Three different kinds—send for Catalogue.

Should be universally used.

THE DOWSWELL MANUFACTURING CO., Limited

Cor. Bay and Murray Streets

HAMILTON.

Manufacturers of Washing Machines, Clothes Wringers, Mangles, Barrel Churns, Lawn Swings, etc.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

week it has advanced in both these markets. Here it has ruled firm : Straits, 19c., and Lamb and Flag, 20½c.

PIG LEAD—Lead has manifested at advancing tendency in New York since the 12th, and in London it has exhibited both decline and recovery in the same interval. Locally, prices have advanced, and are quoted at \$3.80 to \$3.85.

IRON PIPE—Demand is less active. We quote as follows : Black pipe, ¼-inch, ⅜-inch, and ½-inch, \$2.35; ¾-inch, \$2.80; 1-inch, \$3.85; 1¼-inch, \$5; 1½-inch, \$6.70, and 2-inch, \$9. Galvanized, ½-inch, \$3.95; ¾-inch, \$4.80; 1-inch, \$6.65; 1¼-inch, \$9.15; 1½-inch, \$11.75, and 2-inch, \$16.

LEAD PIPE—A moderate demand is noted, and prices are steady : 7c. for ordinary, and 7½c. for composition waste, with 25 per cent. discount.

CANADA PLATE—Stocks of Canada plate are now found to be in small compass here, and values are firm as a result. We quote as follows : 52's, \$2.15; 60's \$2.30; 75's, \$2.35; full polished, \$3; galvanized Canada plate, 52's, \$3.75.

TINPLATE—A firm feeling is noted and round lots of coke have sold at \$2.95, but we still retain \$2.90 as the inside price. We quote as follows : Coke, I.C., \$2.90 to \$3, as to quantity; charcoal, I.C., Allaway or Comet brands, \$3.25; do, I. X., \$4.10 to \$4.25; Lincoln, \$3.50; P.D. Crown, I.C., \$3.95; do. I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Firm and unchanged at \$6 to \$6.25.

COIL CHAIN—Steady and in fair inquiry. We quote : ¼-inch, \$4.75 5-16, \$3.50; ⅜, \$3.15; 7-16, \$3; ½-inch, \$2.80, and ⅝ up, \$2.80.

SHEET ZINC—Quiet at 6½ to 6¾c.

SOLDER—Unchanged, at 12¼c.

ANTIMONY—Quiet outside and on spot at 9½ to 9¾c.

SPELTER—This metal has ruled firm on spot and in New York, but has declined in London lately, the change, so far, having no influence on prices here. We quote : Vielle Montague at \$6 to \$6.25, and American at \$5.50 to \$5.80.

GLASS.

The firm feeling in window glass is retained, though trading has not been extensive. We quote as follows : First break, \$1.80; second, \$1.90 per 50 feet; first break per 100 feet, \$3.50; second, \$3.75; third, \$4; fourth, \$4.25; fifth, \$4.75; sixth, \$5.25, and seventh, \$5.75.

PAINTS AND OILS.

Turpentine has taken a series of steps upward during this week, and is very firmly held at the advance. Linseed oil is without alteration locally, but English quotations are

cabled firmer, and the outlook seems to favor steady prices. The general paint and color trade is in fair volume for the season. Paris green is still inquired for, in anticipation of higher prices in the spring, the current quotation being 13 to 14c. The continued high price of zinc has led to an alteration in the selling list, as under noted.

WHITE LEAD—Best brands, Government standard, \$5.62½; No. 1, \$5.25; No. 2, \$4.87½; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4½c.; kegs, 4¾c.; No. 1, casks, 4¼c.; kegs, 4½c.

WHITE ZINC PAINT—Pure, 8c.; No. 1, 7c.; No. 2, 6c.

PUTTY—We quote : Bulk, \$1.65; bladders, in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 50c.; boiled, 53c., five to nine-barrels, 1c. less, ten to nineteen, 2c. less, and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 62c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8¼ to 8½c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4½ to 5½c. for colored, and 7 to 8c. for white; oakum, 5 to 7c., and cotton oakum, 9 to 11c.

PETROLEUM.

There has been no further change in this market since last week. We quote as follows : "Crown Acme," the new Sarnia oil, is selling at 15½c. in small quantities; Canadian refined, 14c.; American prime white, 17c.; water white, 18c.; Pratt's astral, 19½c.

ASHES.

In fair demand and steady. We quote : First pots, \$4.40; seconds, \$4.10, and pearls, \$5.25.

HIDES.

Quiet and steady : Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3, 7c.; Lambskins, 65 to 70c.

MONTREAL NOTES.

White zinc paint has advanced ½ to 1c. per lb.

Turpentine is 3c. higher than it was quoted in this market last week.

Cables from England are firmer on linseed oil, but prices here are unaltered.

Jobbers are having difficulty in securing prompt delivery of their supplies of sleigh bells.

Cordage has been marked down somewhat in the regular jobbing range, and rules easy.

OAKEY'S 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for
Cleaning Cutlery.

JOHN OAKEY & SONS LIMITED

Manufacturers of Emery, Black Lead, Emery and
Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

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Force Lift Cistern Pumps

Iron or Brass.
One quality only,
The Best.

PRICES RIGHT.

THE R. McDUGALL CO., Limited

Galt, Canada.

ILLINOIS CUTLERY CUTS!



No. 1 Bread Knife Set.

One each, Bread, Cake and Paring Knife, malleable handles firmly riveted to steel blades, will cut hot or cold bread without crumbs. Each set in paper box.

PAT. AUG. 15. 1893.



Combined Grater and Slaw Cutter.

The only one; slicer and grater are detachable; slicer sheet made of Apollo galvanized iron with steel cutting blades. It will slice cabbage apples, potatoes, cucumbers, onions, turnips, beets, and everything in the vegetable line. It is a time and labor saver; is used in the kitchen every day.



Famous Parer and Slicer.

Polished beech handle, nickel plated steel blade and ferrule, takes off an even peel, easily sharpened and cleaned. The best paring knife for potatoes, apples, pears, turnips, quinces and firm peaches. Write for our catalogue.

Sole Canadian Agents, Squire, Watson & Co., Montreal,
Canada; Chas. E. Santo, London, Canada.

ILLINOIS CUTLERY COMPANY,
Decatur, Ill., U. S. A.

ONTARIO MARKETS.

TORONTO, Dec. 23, 1898.

HARDWARE.

IT being Christmas week the wholesale hardware trade naturally exhibits some decline in the volume of business. A good many of the travelers were in all week and business is largely dependent upon letter orders. At the same time, for this time of the year, business is good. It is the general opinion of the wholesale trade that activity in business has been prolonged into the Christmas season much longer than is usual. All seem satisfied as far as the volume of business is concerned. The only cause of complaint appears to be in regard to profits. The wire nail trade is still fair and there is a better feeling in regard to prices. Horse-shoe nails are also meeting with a good demand. Sleigh bells and skates are still going out well. A good deal of decorated enamel ware has gone out and quite a few orders for ordinary ware are being booked for future shipment. A good business is being done in churns, and quite a few sorting-up orders for cutlery have been received during the week. Prices are without change, and the report in regard to payments is that they are still satisfactory.

BARB WIRE—There is still no demand in this line, and the market is without feature. We quote: Four point, \$1.80 f.o.b. Toronto and \$1.85 f.o.b. London; two point at \$1.90 f.o.b. Toronto. Terms, 30 days or 2 per cent. 10 days. The price f.o.b. Cleveland is \$1.75.

ORDINARY FENCE WIRE, ETC.—There is nothing doing, and prices are as before. Discounts are: Annealed, oiled and annealed, bright wire, coppered steel and spring, 37½ per cent. discount off the list, with allowance of freight up to 20c. per 100 lb.; galvanized, 30 per cent.

WIRE NAILS—The demand for wire nails continues good, but, in view of the fact that the raw material is steadily advancing, jobbers and manufacturers are not inclined to push business. Some houses have advanced their prices 5c. per keg, and will not book orders for future delivery at less than \$1.80, Toronto. The f.o.b. price for prompt shipment is \$1.70 to \$1.75, Toronto.

CUT NAILS—The market is still without change. The base price is \$1.75, Toronto, Montreal, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—A fair demand is to be noted for these, although the manufacturers report that orders have fallen off with them. Discounts are: Standard, oval head, 50 per cent. Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—Much about the same apply to these as to horse nails. We quote:

Nothing Better

Nor nothing else as good for interior finish as our

METALLIC CEILINGS AND WALLS

They are Fireproof,
Sanitary and
Permanently Beautiful.



Sample Design, Plate No. 229

We make countless artistic designs that will suit any room of any building—they are easily applied. We furnish working drawings for each job—can be used over plaster in old buildings if desired.

Their economy, durability and beauty commend them to everybody. If you aren't handling them, send for our catalogue and price list.

The METALLIC ROOFING CO., Limited

1179 King Street West, TORONTO

Iron shoes, light, medium, and heavy, \$3.25 f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—Business in screws is being well maintained, and prices are without change. Discounts are: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—There is still some business being done in stove bolts, and, on the whole, business is fair for this time of the year. We quote: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts, 70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¼c.; hexagon, 5¼c.

RIVETS AND BURRS—Trade keeps fair. We quote: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE—There is no improvement in the demand. The price of hemp in the outside markets appears to be a little steadier. We quote: Sisal, 7-16 in. and larger, 9¾c.; ¾ in., 10¼c.; ¼ and 5-16 in., 10¾c.; Manilla, 7-16 in. and larger, 10½c.; ¾ in., 11c.;

¼ and 5-16 in., 11½c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

HALTERS—Business in this line is about over for the season. We quote: Rope halters, ¾ in., \$8.25 to \$8.50 per gross; ½ in., \$9.25 to \$9.50; ⅜ in., \$11 to \$11.25. Leather halters—1 in., \$3.87½ to \$4 per doz.; 1¼ in., \$5.15 to \$5.25 per doz.; Webb halters, \$1.87 to \$2.40 per doz.

CHURNS—Business in this line continues good. We quote delivered from stock in Ontario: No. 0, \$2.85; No. 1, \$3.05; No. 2, \$3.25; No. 3, \$3.60; No. 4, \$4.35; No. 5, \$5.75.

CLOTHES WRINGERS—There is not much being done. We quote: "New Leader," "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$29.

BUILDING PAPER—The demand is good, but difficulty is still being experienced in getting supplies, and manufacturers claim that at present prices it does not pay them to make building paper. We quote as follows: Plain building, 30c. per roll; tarred lining, 40c., according to quality; tarred roofing felt, \$1.45 per 100 lb.

SNOW SHOVELS, ETC.—These are not meeting with much attention. We quote \$2 to \$3.50 per dozen. Furnace scoops are quoted at \$6.60 per dozen.

CUTLERY—The demand has fallen off. A few small sorting-up orders are being received.

STOVES—Manufacturers report that orders

for an odd stove or two are still being received.

WARE—A fair trade has been done during the past week in decorated enamel ware, and assorted orders for future delivery are coming in. In general lines of tinware there is a little doing.

CEMENT—There is no movement worth speaking to note; nor any change in prices. We quote in barrel lots: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; German, do., \$3; Belgian do., \$2.50; Canadian hydraulic cements, \$1 to \$1.10; calcined plaster, \$1.90; asbestos cement \$2.50 per bbl.

METALS.

The chief business being done in metals seems to be in the way of import orders. Prices are, on the whole, steady.

PIG IRON—The market is firm. We quote: Hamilton iron on track Toronto at \$14 for No 2, and \$13.50 for No. 3. United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80.

BAR IRON—Just a moderate trade is being done. Base price \$1.45 from stock and \$1.35 from factory.

BAND IRON—Quiet and unchanged. We quote: \$1.65 to \$1.75 per 100 lb. for Canadian and \$2 for imported.

SHEET STEEL—Trade is still dull in this line. We quote as follows: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28 \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Business is still practically nil. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Just a few orders are being received for present delivery, but a good many are being booked for future delivery. Quite a good percentage of the orders being booked are for American made galvanized iron. We quote as follows: Queen's Head, 16 gauge, \$3.75; 18 to 24, \$4; 26 gauge, \$4.25; 28 gauge, \$4.50. American makes, 16 gauge, \$3; 18 to 24, \$3.15; 26 gauge, \$3.40; 28 gauge, \$3.75. In "Queen's Head," less than case lots, are quoted 25c. per 100 lb. higher than above figures.

INGOT COPPER—Business is fair. The outside markets are quiet, with prices nominally unchanged. Locally, we quote 13 to 13½c. per lb.

INGOT TIN—The increased quantity of tin

afloat for New York has caused a slightly easier feeling in prices for future delivery. Business, locally, is moderate at 21 to 21½c. per lb. for Lamb and Flag, and 21c., for Straits.

PIG LEAD—The market is dull, with a slightly easier undertone, and reports from New York state that speculative purchases have practically ceased. We still quote 4c. for imported.

LEAD PIPE—Very little doing. We quote: Ordinary pipe, 7c., and composition waste, 7½c., with 25 per cent. discount.

IRON PIPE—There is not much doing. We quote as follows: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.25 to \$2.30; ½ inch, \$2.30 to \$2.35; ¾ inch, \$2.80; 1 inch, \$3.95; 1¼ inch, \$5.20; 1½ inch, \$6.75; 2 inch, \$9.10. Galvanized, ½ inch, \$3.95; ¾ inch, \$4.80; 1 inch, \$6.75; 1¼ inch, \$9.15; 1½ inch, \$11.75; 2 inch, \$16.

RANGE BOILERS—Trade keeps fair. We quote: Galvanized, 30 gals., \$5.25; 35 gal., \$6; 40 gal., \$7; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES—Not many orders are being received, the season's demand having been satisfied. We quote: All-bright, \$2.85 to \$3; half-polished, \$2.35; all-dull, \$2.25.

TIN PLATES—Very few tinplates are being shipped, but quite a few orders are being booked for January shipment.

COIL CHAIN—Quiet. We quote as follows: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ⅝ in., \$2.80; ¾ in., \$2.75.

SHEET ZINC—Very little being done. We quote 7¼c. for cask lots and 7½c. for smaller lots.

ZINC SPelter—Prices are still irregular on the outside markets, but there is no change locally. Locally, trade is quiet and prices unchanged at 5¼ to 6c. for imported.

SOLDER—Business moderate. We quote: Half-and-half, 13½ to 14c.; standard, 13 to 13½c.; wire, 13c.; wiping, 11½c.

PAINTS AND OILS.

While large orders during the past week, have been, like the proverbial angels' visits, "few and far between," a goodly number of sorting-up memoranda is reported. The general tone is strong, and it is thought that most of the staples, and especially ready-mixed paints, will be placed upon a higher scale during the coming season. We draw attention to our prices current, on page 30, as regards white zinc paint. Advances of 1c. for pure and ½c. for Nos. 1 and 2 are noted. Turpentine is steadily advancing in the south, and the price here is 3c. higher than a week ago. The prices now quoted, 62c.

in Toronto and 63c. at outside points, are extra high. Although paris green will not enter upon its mission of annihilation for at least half a year, the market has become impatient for quotations. As one hardwareman puts it: "We are not very busy now, an active mind must be employed, why not buy paris green? The farmers are comfortably off, and a large quantity will be wanted." The jobbers are quoting pure paris green at from 13 to 14c., and some sales have been made at these figures. In general goods there is not much change, and, except in a few instances, where fair activity is reported, the market can be described as quiet but firm. We quote:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lb., \$4.75; ditto, No. 1, in casks of 560 lb., \$4.50; genuine, in kegs of 100 lb., \$5; ditto, in kegs of 100 lb., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lb.; 50c. per 100 lb. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 51c.; boiled, 1 to 4 barrels, 54c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 63c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

There is little movement to report; less, in fact, than usual at this season. Prices

continue firm. We quote as follows: Star, first break in 50-foot boxes, \$1.80, and in 100-foot boxes, \$3.50; double diamond under 25 united inches, \$5.50, Toronto, Hamilton and London; terms, 4 months or 3 per cent. 30 days.

OLD MATERIAL

Scrap rubber is easy; everything else is firm. We quote: Agricultural scrap, 40c. per cwt.; machinery cast, 52c. per cwt.; stove castscrap, 30c.; No 1 wrought scrap, 40c. 100 lb.; new light scrap copper, 8c. per per lb.; bottoms, 8c.; heavy copper, $8\frac{1}{2}$ to $8\frac{1}{2}$ c.; light scrap brass, 4 to $4\frac{1}{2}$ c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, $2\frac{1}{2}$ to $2\frac{3}{4}$ c.; zinc, $2\frac{1}{4}$ c.; scrap rubber, $3\frac{1}{2}$ to $3\frac{3}{4}$ c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

HIDES, SKINS AND WOOL.

HIDES—The market is easy, though prices are quotably unchanged. We quote: No. 1, $8\frac{1}{2}$ c.; No. 2, $7\frac{1}{2}$ c.; No. 3, $6\frac{1}{2}$ c.; cured, 9c.

CALFSKINS—We quote nominally: No. 1 veal, 8-lb. and up, 10c. per lb.; No. 2, 8c.; dekins, from 30 to 35c.; culls, 15 to 20c.

SHEEPSKINS—No shearlings are now offering. Sheepskins and lambskins are firm at 80c.

WOOL—The market is dull. Fleece is quoted at 15c. and unwashed at 10c.

SEEDS.

There is little doing. The foreign demand is over, and domestic trade has not yet opened, so buyers are cautious. The range in alsike values is large, from \$2.50 to \$4.50 being quoted, the latter figure only being paid for strictly choice lots. Red clover, also, shows a big range in value, from \$3 to \$4.25 being paid, the top price only for extra choice, large grain, rich purple seed.

PETROLEUM.

No change to note. Prices keep firm and the demand active. We quote at Toronto: Canadian, $13\frac{1}{2}$ c.; Sarnia water white, 15c.; American water white, $16\frac{1}{2}$ c.; Pratt's astral, 16c., in bulk.

COAL.

The demand is active, and, as there is a good supply and sufficient transportation facilities, the movement is large. We quote anthracite at Buffalo and bridges: Egg, nut and stove, \$4.25 and per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

MARKET NOTES.

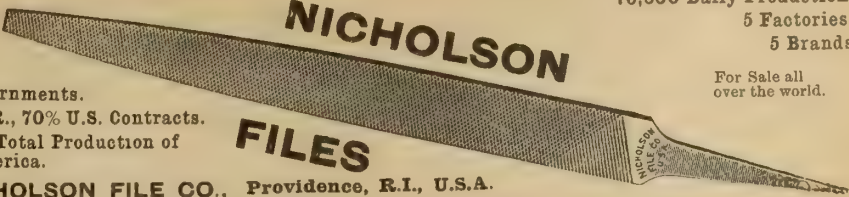
Turpentine has advanced another 3c. per gallon.

White zinc paint is quoted $\frac{1}{2}$ to 1c. per lb. dearer.

The annual general meeting of The Toronto Lead and Color Company was held at the offices of the company, Toronto, on Thursday, the 22nd inst. A very favorable report was presented, showing a steadily growing business. Samuel Trees was re-elected president; J. W. Shorney, vice-president, and the board is the same as last year.

76,800 Daily Production.
5 Factories.
5 Brands

For Sale all
over the world.



16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of
America.

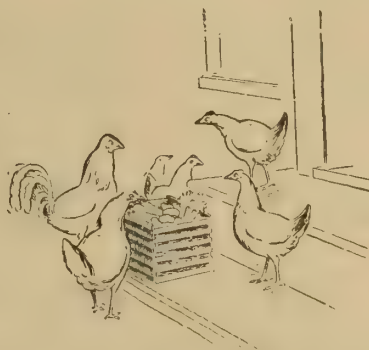
NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited.

Established 1773

Manufacturers of POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS. Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glas," St. Helens. Telephone No. 68 St. Helens.



Always Get the Best



Humpty Dumpty Egg Crates.

"Who's been here since we've been gone?"

Hold 12 doz. each. Compact, light, strong, cheap. Long wanted but just found out. The farmer's friend. Most complete thing for carrying eggs, and with fillers removed can be used for numberless other purposes.

THE LEADER CHURN (TWO STYLES.)

1898 Stand, with lever attachment.
1899 Stand, with Anti-Friction Steel Ball Bearings.

INTERNAL BREAKERS

Increase Yield—Reduce Time.

Your customers require the best churn.
Make no mistake—order Leaders.



ASK FOR PRICES.

Made Exclusively by

The DOWSWELL MANUFACTURING CO., Limited

W. L. HALDIMAND & SON

32 and 34 St. Dizier St., Montreal, Eastern Agents.

HAMILTON, CANADA.

BUSINESS CHANGES

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

A. P. CAMERON, general merchant, South Finch, Ont., has assigned to J. P. Langley, Toronto.

F. Perreault, general merchant, Rimouski, Que., has assigned.

Joseph Brouillette, contractor, Montreal, has filed consent of assignment.

Wilfrid Thouin, grocer, Montreal, has assigned to Bilodeau & Renaud.

Boily & Claveau, general merchants, Chicoutimi, Que., have assigned.

L. Barron, carriagemaker, St. Flavien, Que., is offering 20c. on the dollar.

A meeting of the creditors of Daniel Burch, general merchant, Renton, Ont., has been held.

The assets of Florence Watson, confectioneer, Ottawa, have been sold by the bailiff.

P. D. Davignon, tobacco and cigar dealer, Montreal, has assigned to Lamarche & Benoit.

Paradis & Jobin have been appointed curators for J. T. Pouliot, general merchant, L'Islet, Que.

A meeting of the creditors of Joseph Malkin, general merchant, Sprucedale, Ont., has been called.

A meeting of the creditors of Anthime Jacques, general merchant, Lotbiniere, Que., has been held.

Assignment has been demanded of Alphonse Pallascio, wholesale and retail hardware dealer, Montreal.

Lamarche & Benoit have been appointed curators of Girard & Laforest, general merchants, Grand Mere, Que.

A meeting of the creditors of Philias Graveline, general merchant, Angegardien, (Rouville Co.) Que., has been held.

PARTNERSHIPS FORMED AND DISSOLVED.

Colvin & Fraser, wholesale and retail hardware dealers, Galt, Ont., are dissolving partnership.

Duquette & Co., general merchants, White-wood, N.W.T., have dissolved; A. M. Duquette, continuing.

Hubert Desy and Moise Cossette have registered partnership under the style of Desy, Cossette & Co., machinists, St. Tite, Que.

Guillaume Leblanc and Ida Leblanc have registered as proprietors of G. Leblanc & Cie., general merchants, Napierville, Que. — Donley admitted under the style of Simpson & Donley.

McPhee & Moore, general merchants, Cumberland and Courtenay, B.C., have dissolved; J. M. McPhee & Son, continue at Courtenay and C. J. Moore at Cumberland.

SALES MADE AND PENDING.

The assets of W. C. Ross, sr., general merchant, Hopetown, Ont., have been sold.

The assets of F. Normand, general merchant, Asbestos, Que., are to be sold on the 27th inst.

The stock of M. Lavigne & Co., general merchants, etc., Hull, Que., has been at 53c. on the dollar.

The assets of S. W. Bishop, general merchant, Marbleton, Que., are to be sold on the 28th inst.

The assets of C. D. Spittal & Co., bicycle dealers, etc., Ottawa, have been sold at 30c. on the dollar.

The stock of Denis Bros., general merchants, Lachute, Que., has been sold at 70c. on the dollar.

The stock of J. N. Duquay, general merchant, Fraserville, Que., has been sold at 63½c. on the dollar.

The book debts of Luc Cormier, general merchant, Esquimaux Point, Que., have been sold at 2c. on the dollar.

The stock of E. R. Bellerose & Co., general merchants, Sorel, Que., has been sold at 54c. on the dollar.

The stock of A. Demers & Co., general merchants, Chambly Basin, Que., has been sold at 62c. on the dollar.

The stock of M. A. Cote, general merchant, Ste. Anne Des Monts, Que., has been sold at 50c. on the dollar.

The assets of Adolphe Gagnon, general merchant, Les Escoumains, Que., are advertised to be sold on the 29th inst.

The balance of the assets of Henley Freres, general merchants, Ste. Anne Des Monts, Que., have been sold at 50c. on the dollar.

CHANGES.

Omer Boulieme, general merchant, Tadoussac, Que., has retired.

The Metropolitan Electrical Co., of Ottawa, Limited, has been incorporated.

The Grand River Electrical Power Co., Limited, Paris, Ont., has been incorporated.

Joseph Genelle, sawmiller, Salmon Arm, B.C., has sold out to The Columbia River Lumber Co.

Pritchard & Peel, dealers in agricultural implements, Carman, Man., have sold out to Marsh Blanchard, Morden, Man.

The style of R. A. Anderson & Co., general merchants, Victoria Road, Ont., has been changed to Anderson & Rehill.

FIRES.

McEdward & Moore, hardware dealers, St. Catharines, Ont., have suffered slight damage by fire.

DEATHS.

Charles Fortin, tinsmith, etc., Hull, Ont., is dead.

James Nelson, of James Nelson & Bro., hardware dealers, etc., Windsor, Ont., is dead.

GOOD MANNERS.

SOME persons wield a sceptre before which others seem to bow in glad obedience. But whence do they obtain such magic power? What is the secret of that almost hypnotic influence over people which we would give anything to possess?

Courtesy is not always found in high places. Even royal courts furnish many examples of bad manners. At an entertainment given by the Prince and Princess of Wales, to which, of course, only the very cream of the cream of society was admitted, there was such pushing and struggling to see the Princess, who was then but lately married, that, as she passed through the reception rooms, a bust of the Princess Royal was thrown from its pedestal and damaged, and the pedestal upset; and the ladies, in their eagerness to see the Princess, actually stood upon it.

Mirabeau was one of the homeliest men in France. It was said that he had "the face of a tiger pitted by smallpox," but the charm of his manner was almost irresistible.

Madame de Stael was anything but beautiful, but she possessed that indefinable something before which mere conventional beauty cowers, commonplace and ashamed. Her hold upon the minds of men was wonderful. They were the creatures of her will, and she shaped careers as if she were omnipotent. Even the Emperor Napoleon feared her influence over his people so much that he destroyed her writings and banished her from France.—Pushing to the Front.

GOOD BOOKKEEPING AND POOR BOOKKEEPING.

The bookkeeping of a business is its historical record, writes Walton Day in an exchange. The record, to be of real value, must not only be correct in details, but must also be scientific in arrangement. The foundation upon which bookkeeping rests is the science of accounts. Scientific bookkeeping, therefore, is the only kind of bookkeeping which the progressive business man can tolerate. Bookkeeping, as an art, may be defined as the practical application of the principles of accounts to the records of business. Whatever methods embody the correct application of these principles, constitute good bookkeeping. On the other hand, those methods which neglect or violate the principles of accounts, serve to illustrate poor or inadequate bookkeeping.

The Allan Line steamer Laurentian arrived at West St. John, at 1.30 p.m., on the 15th, and commenced to discharge her cargo at 3.03 p.m. At 7.40 p.m. the first train load of fruit for Toronto, etc., was despatched for the west, and arrived in Toronto at 4 a.m., on the 17th, a run of 32 hours from West St. John to Toronto, distance 819 miles.

JOHN BOWMAN HARDWARE AND COAL CO.

180 to 182 York Street

LONDON, ONT.

Agents for the

Sewall & Day Mfg.
Co's Celebrated

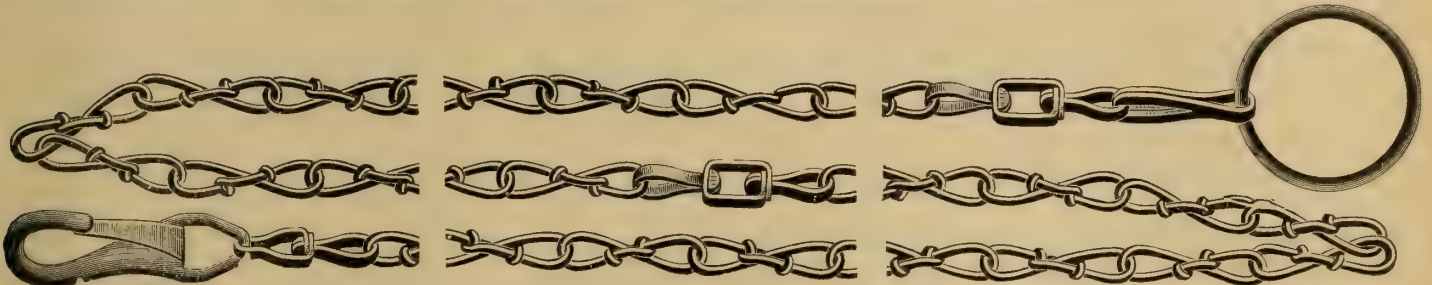
Binder Twine

The Finest Goods on the Market.

Write us for Prices.

Oneida Steel Wire Tie-Out.

For tethering cattle in fenceless pastures.
Made in all sizes. . .



No Rivets. No Malleable Iron. ALL BESSEMER STEEL.

Made in 20, 30 and 50 ft. lengths.

ONEIDA COMMUNITY, Limited

NIAGARA FALLS, ONT

ABOUT HORSE-NAILS:—

**"It iz better knot to no quite so mutch,
thann to no a lot, that ain't so."**

With bank and other stocks, there is an accepted standard by which comparisons are made, to judge their relative values; a bank stock is quoted "at par," or above or below par, according to its accepted value by the purchasing public.

With horse nails, as with stocks, there is a standard of value, which by the hardware trade in Canada, has been accorded to the "C" brand made by our company. This position is maintained solely by the merits of the horse nails sold by us under this trade mark. They represent the results of an experience of thirty-three years in the manufacture of one article; the use of the best quality Swedish charcoal nail rods; the use of the "hot forged" hammered process; the best patterns and finish; in brief, the best in every particular.

When other makers claim for their nails all the points of excellence which are found in our brand, and yet, by their own quotations, and the price the purchasers are willing to buy them, they are below the standard value, is it not because they are "below par?" If their goods are equal to ours, why don't they command an equal price? The conclusion is a fair one: Simply because they are not worth as much.

We sell to the trade only. Our horse nails have the "C" brand and our name in full on each box; don't accept substitutes if you want the best.

CANADA HORSE NAIL COMPANY

MONTREAL.

TRADE CHAT.

EVIDENTLY the Canadian Government has decided to take stringent methods to put down the smuggling which, it is said, takes place at Windsor every year about Christmas time, and of which Windsor merchants have been complaining. The Customs officers, on Friday, received orders from the Canadian Government to inspect and collect duty on every parcel brought over just prior to and during the holiday. It was also intimated that two special officers would be sent to Windsor, within the next few days, to assist the local officers.

The Prescott, Ont., elevator handled over 6,000,000 bushels of grain this season.

E. W. Benjamin, of Yarker, Ont., is likely to start a hub factory in Arnprior, Ont., soon.

Fire did some damage to the factory of The Canada Horseshoe Nail Co., Montreal, one day last week.

Agricultural implements to the value of \$8,000 were exported to Great Britain from Toronto one day last week.

Fire did damage to the extent of \$3,000 to the stock and building of the Ontario Wind Engine and Pump Co., Toronto.

Rider & Kitchener, veneer and excelsior manufacturers, Brampton, Ont., will probably establish a factory in Lindsay, Ont.

Merchants generally report a large and gratifying business on Saturday, and the prospects are that the Christmas trade will be the largest in years.—St. Thomas Journal.

The McClary Manufacturing Co., London, Ont., gave their employes a turkey apiece on Thursday evening this week. The company employs between 500 and 600 hands.

Thirteen thousand dollars worth of Toronto bicycles were shipped the other day for export to Australia. The exports to France were \$4,000 of agricultural implements and \$400 to Chili.

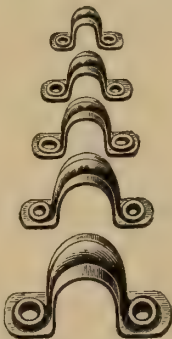
An order for wheels has been received by The Facer Car Wheel factory, Perth,

Ont., manufacturers of solid steel-forged car wheels, and work will be commenced as soon as the large steel hammer belonging to the works, which has been undergoing repairs in Montreal, is in position.

Johnson & McPhail have opened out as hardware merchants in the spacious store, 514 Hastings street, Vancouver, formerly occupied by Skinner & Co. Five floors are utilized to carry all this firm's stock, which consists of general hardware, though tinware and graniteware will be their specialties.

C. W. Malone, hardware merchant, Carberry, Man., who has been for some 18 years in business there, has sold his stock and intends moving to the Narrows, Lake Manitoba. He has purchased Sifton's ranch at that place and will combine cattle raising with his interest in a stone quarry there.

Customs officers Druillard and Yearsley, of Windsor, made a seizure last evening that surprised them after they had taken an inventory of the goods. The officers for some time have suspected Mrs. Stein, living in Windsor. Yesterday, when they saw her, she was searched, and about 100 yards of prints, several house wrappers, a number of men's hunting coats, ladies' and gents' underwear, table covers, and bed spreads were discovered on her. The articles were confiscated, and the woman promised to settle with the Government to-day.—St. Thomas Journal, Dec. 19.



Factory at Germantown Junction.

B.B. WROUGHT ORNAMENTAL PIPE STRAPS

Made also in Malleable Iron.

These are a distinct advance over the old plain straps, being much stronger and neater.

Write for Catalogue and Prices.

BERGER BROS. CO.

Tinners' Hardware and Roofers' Supplies,

PHILADELPHIA, PA. Office and Stores,
231 and 237 Arch Street.

PERSONAL MENTION.

Mr. Geo. B. Curran, formerly city traveler for Stewart & Wood, Toronto, has secured a position in the same capacity for The Sherwin-Williams Co., who are opening a branch office at 86 York street, Toronto.

T. L. Paton, 30 St. Francois Xavier street, has been appointed Canadian agent for London Emery Works Co. and will carry full lines of goods at Montreal.

On Saturday morning last as Jas. Heron, hardware merchant, Little York, Ont., was getting into his carriage the horse started, throwing him out on his head. He soon recovered, however, and was taken into his store. The horse ran up Main street and was stopped at Lyal avenue. As no bones were broken, Mr. Heron is getting along nicely, and only experiencing some soreness in the clavicular regions.—Toronto Junction Leader.

AGENCIES WANTED.

WANTED — BY EXPERIENCED HARDWARE MAN. Two or three good agencies for Toronto and the West. Apply, Box S, HARDWARE AND METAL, Toronto. (52)

FOR \$1,000 I can place a 35-line advertisement, every other day for one year, in fourteen of the leading papers in the eleven largest cities in Canada.

This is merely to give an idea of how far money can go in this country.

Never have failures been fewer, never has trade been better, never has there been better prospects for the shrewd advertiser.

I know the papers best suited for different businesses, I know their rates, I am in a position to help all who want to share in Canada's prosperity. Write stating who you want to reach, and I will gladly submit list and figures.

The E. Desbarats Advertising Agency, Montreal.

“P=H”

Standard Steam, Gas and Water Pipe.

Plain and Galvanized; Butt and Lapp Welded.

PILLOW & HERSEY MFG. CO., LIMITED

Prices on Application.

MONTREAL

B. J. COGHLIN

Hardware, Iron and Steel Merchant Railway and Contractors' Supplies.

MANUFACTURER OF—

CARRIAGE, WAGON SPRINGS and AXLES.
RAILWAY SPRINGS and SPIRAL SPRINGS
of every description.

A large stock always on hand.

Office and Warehouse, 432, 434 and 436 St. Paul St.,
MONTREAL.

Works, Montreal Spring and Axle Works,
HOCHELAGA. (52)

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

... TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

**VanTuyl & Fairbank**

Petrolia, Ont.

Headquarters for...

Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.

PARIS ELECTRO PLATING CO.

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings
Piano Stool Feet, Novelties, etc. Bicycle Work
a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.

We have added a large moulding shop to our establish-
ment, and are making a specialty of fine castings.

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.

The Portland Rolling Mills Co., Limited

Manufacturers of

Refined Bar Iron
Railway Spikes
Pressed Spikes
Nails and Tacks
"Diamond" Brand Horse Shoes

ST. JOHN, N.B.

**"JARDINE"
TIRE UPSETTERS
WILL UPSET TIRES**

Some machines sold as Upsetters will not.
Perhaps you make as much money on the
sale of a useless Upsetter as on a good
one, but your customer does not. He
don't want a machine because it is called
an Upsetter; he wants a machine to upset
tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of
Tinsplate, Tinned Sheets, Tinne Plates, Canada Plates Gal-
vanized Sheets, Imitation Russia Sheets Black Sheets—Iron
and Steel—Hoops and Bands, Proved Coil Chain. Brass and
Copper Sheets Norway Iron and Steel, Wheelbarrows, etc.

STEEL STAMPS

We are the largest manufacturers of
STEEL STAMPS in Canada.

HAMILTON STAMP AND STENCIL WORKS

Send for Quotations

... Hamilton, Ont.

**The
New
Year's
Trade**

New Year's next! Are you going
to make new resolutions? There is
no better time than NOW to get out
of a "rut" (if you are in it).

Let's enter into a PROGRESSIVE
New Year this time, and begin it with
up-to-date ideas in your stock of
painters' brushes.

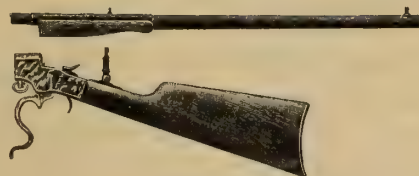
For the first step upwards, get
Boeckh's Patent Bridled Brush—it
saves a painter time, money and labor.

Our illustrated catalogue proves this—send for it—
it's free.

Boeckh Bros. & Company
Mfrs.

Toronto, Ont.

Montreal Branch—
1 and 3 De Bresoles St.

**Boeckh's
Bridled
Painter's
Brush.****STEVENS RIFLES—
THE FAVORITE**

is made in three calibres

22, 25 and 32 Rim Fire

and is the best low-priced rifle made. Highest quality of work.
Accuracy guaranteed. Weight, 4½ lbs.

No. 17, Plain Sights— List \$ 8.00
No. 18, Target Sights— " 11.50
No. 19, Lyman Sights— " 12.00

Send for our complete catalogue.

J. STEVENS ARMS & TOOL CO.

For Sale by All Leading Canadian Jobbers
At Trade Discounts.

P.O. Box 215, CHICOPEE FALLS,
MASS., U.S.A.



Manufacturers of

Cotton, Jute, Hemp and Flax
Twines and Cordage
Mill Banding and Driving Ropes
Chalk and Fishing Lines
Seine Twine, Hammocks, Tennis
Cricket and Fly Nets
Cotton Rope and Clothes Lines
Plough Lines, etc.

HUTCHISON, SHURLY & DERRETT

1078 BLOOR STREET WEST, TORONTO.

HEATING AND PLUMBING

THE TORONTO PLUMBING BY-LAW.

IN almost every city throughout Canada and the United States, plumbing is governed by municipal by-laws, more or less stringent in nature.

In the spring of 1892 the by-laws governing Toronto were thoroughly remodeled by a committee of plumbers, appointed by the city council for the purpose.

The amendments prepared by that committee were adopted in April, 1892, and further amended in March, 1896. The by-law is now known as the plumbing by-law, No. 2478.

Every employing or master plumber in Toronto should be thoroughly acquainted with the provisions of this by-law, for ignorance or disobedience of these provisions has been a source of much loss and inconvenience to many a Toronto plumber.

Ignorance cannot be given as a valid excuse by any plumber who has been engaged in business for himself in the city for any length of time, as Section VII. of this by-law is so explicit that any plumber who has once read it is not likely to forget his first duty, before commencing any plumbing or draining work.

Section VII. is as follows:

"Before proceeding to construct, reconstruct or alter any portion of the drainage, ventilation or water system of any hotel, warehouse, dwelling house or other building, the owner or his agent desiring to construct the same shall file in the office of the medical health officer an application for a permit therefor, and such application shall be accompanied with a specification or abstract thereof on a blank form prescribed and supplied for this purpose, stating the nature of the work to be done, and giving the size, kind and weight of all pipes, traps and fittings, and a description of all closets and other fixtures, and also a plan thereof showing the street numbers marked thereon and the drainage system underground.

"No master plumber, plumber, or workman engaged by the owner of any building to construct, reconstruct, or alter any portion of the drainage, ventilation, or water system thereof, shall do any work in connection with such construction or alteration at or upon any such building until such master plumber, plumber, or workman has satisfied himself that the owner has filed his application for a permit for such work, as required by this section, and has obtained a permit therefor, as required by section 9 of this by-law; and the production of such

permit from the medical health officer shall be sufficient evidence to the said master plumber, plumber, or workman of the application at the office having been properly made."

Briefly put this section decrees that before commencing any plumbing or drainage work a permit to do so must be secured, and, in order to secure it, application has to be made for it to the medical health officer. This application shall be accompanied by plans of the work to be done.

These plans, according to Section VIII. of the by-law, "must be legibly drawn in ink on heavy white paper or on tracing linen, and on a scale of eight feet to an inch."

Within two days after the application for a permit is filed, it will be either granted or refused by the medical health officer.

If the plans are in accordance with the specifications of the by-law the permit is granted; if not, it is refused. Thus, by the presentation of the plans a plumber cannot fail to see if his work is in accordance with the by-law or not.

After the permit has been granted, the work must be finished according to the standards of the by-law (which are plainly set forth in a small booklet to be had at any time at the medical health office) and must be inspected by the medical health inspector.

The penalty for any breach or disobedience of the plumbing by-law is any sum up to \$50 and costs, or imprisonment for any period not greater than six months.

BUILDING PERMITS IN TORONTO.

Building permits have been issued in Toronto to Robt. Leader, for three attached brick dwellings, at 399, 401 and 403 Carlton street, to cost \$6,000; to F. Simpson, for a three-storey store, at 738 Yonge street, to cost \$9,000; to the Quebec Church Society,

for three three-storey brick stores, at 1,342, 1,344 and 1,346 Queen street west, to cost \$12,000.

FILTERS.

Persons who rely upon domestic filters to purify water for household use will be interested to learn that, on the authority of the State Board of Health of Maryland, such filters may steadily lose efficiency until they become first-rate culture beds for bacteria, says The Sanitarian. An example cited is that of a man in Baltimore who sends the whole water supply of his house through a large filter, and subsequently puts his drinking water through one of the small domestic filters common in the market. A test showed that, on a day when the city taps were running 510 bacteria to the cubic centimeter, the large filter was delivering 9,900 bacteria in the same quantity of water. When the large filter was repacked, only nine bacteria per centimeter got through it, but this same water, when passed through the small filter, came out with 72 bacteria per centimeter. A further example cited is from the office of the Baltimore health department, where a filter, supposed to be the best in the market, was in use. The effectiveness of that filter was so short-lived that the precaution was observed of boiling the water after it was filtered.

AQUARIUM CEMENT.

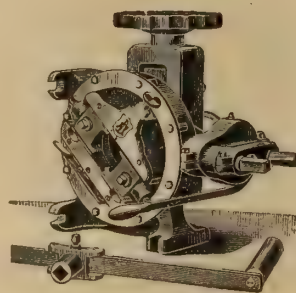
In reply to a correspondent, who wanted to know how aquarium cement is made, The Plumbers' Trade Journal says: "The following recipe has been used in the Zoological Gardens of London with great success, it is claimed, and we believe it is what you want: Litharge, fine white dry sand and plaster of paris in equal proportions. Mix in $\frac{1}{4}$ of finely pulverized resin. Mix thoroughly and make into a paste with boiled linseed oil, to which a little dryer has been added. Beat well, and let it stand five hours before using. This cement is claimed to be good for either fresh or salt water."

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.



New No. 0 Threading Machine.

THE ARMSTRONG MFG. CO.

New York Office:
139 Centre Street

Bridgeport, Conn.

THE ..
DOMINION RADIATOR COMPANY

LIMITED

Dealers

in the most complete line of

Steamfitters' Specialties

HEAD OFFICE and WORKS:

340 to 376 Dufferin Street

TORONTO, ONT.



Steam Traps, Separators
 Wrought Iron Pipe
 Cast and Malleable Fittings
 Also Galvanized Pipe and Fittings
 Brass and Iron Body Valves, etc.

FOX

All-Steel Sash Pulleys

THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.

THEY can be applied quicker than any other Pulley.

THEY are cheap, strong and durable.

NO NAILS
 JUST BORE

NO SCREWS
 FOUR HOLES

AIKENHEAD HARDWARE CO.

Toronto.

T. L. Paton.

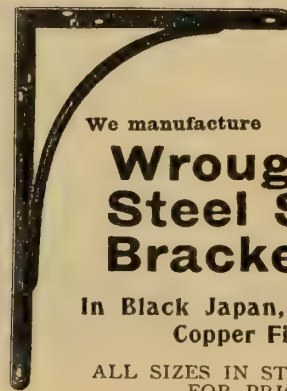
30 St. Francois Xavier St., MONTREAL.
 Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
 H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
 Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
 Wholesale trade only.

PLUMBERS' Supplies.

We have a new line of
 Bath Tub Seats at 75c.
 Send post card for circular.

The JAMES MORRISON

Toronto. BRASS MFG. CO., Limited



We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and
 Copper Finish.

ALL SIZES IN STOCK. SEND
 FOR PRICES.

H. R. IVES & CO., Montreal.

FACTS About Horse-Nails.

We never depreciate the quality of our competitors' goods.

WE DO SAY

That "Monarch" Horse-Nails are made from the best quality of Swedish stock. Are the safest to use, the best to drive, and will hold the shoes on longer and tighter than any other nail made in Canada. This is a strong statement, but testimonials from blacksmiths, which we are constantly receiving, confirm it in every particular.

A PENNY SAVED, IS A PENNY EARNED.

Two-thirds of one cent on each set of shoes is fifty cents on each box of twenty-five pounds of nails.
 We are always pleased to quote prices and send samples, and it will pay you to write us before purchasing.

MARITIME NAIL COMPANY, Limited
 ST. JOHN, N. B.

SUFFERING AND CRIPPLED CHILDREN.

CANADA has many worthy charitable institutions, but there are probably none that so much excite our sympathy as the Hospital for Sick Children, Toronto.

It was founded, not with a view to aiding any sect or denomination; it was founded for the purpose of alleviating the sufferings and remedying the deformities of the wee bits of humanity many of whom would probably otherwise pass their existence tortured by pain or burdened with deformity.

The Hospital for Sick Children was established 22 years ago, but it is within the last decade that it has assumed anything like its present proportions. And it is every year becoming a more powerful agent for the alleviation of the condition of the maimed and sick little ones of the city and Province.

Up to September last, 633 children had been treated this year at the institution. Of these, 470 were from Toronto and 163 from outside places. Of these 633 patients, 515 have been discharged alive, of which number, 334, or 65 per cent., were cured; 141, or 37 per cent., improved; 40 or 8 per cent., unimproved. There were 24 deaths, and at the end of September there were still 94 little sufferers in the institution. Since

its inception the hospital has been the means of helping 30,000 sick children. "Well done, good and faithful servant."

If there is one time more than another when our hearts should go out towards this institution, it is now, the Christmas festive season. But, while our sympathy is a good thing, it is of little use unless it induces us to do something practicable.

There are several ways in which our sympathy may find practicable expression. One is by lending financial aid to the institution. There is, at present, a mortgage of \$50,000 on the building, which is naturally a drag upon the institution, but, by February next, \$25,000 has to be paid on this mortgage, and an appeal is now being made by the Board of Trustees for this sum. Donations

in the shape of toys, etc., are particularly welcome at this, the festive holiday season.

As the report of the institution, just issued, says: "Everyone can help in this grand work." And the smallest sum will be welcome.

One hundred dollars will keep a cot for a year, \$1,000 will maintain a cot for 10 years, \$2,000 will endow a cot forever, and \$5,000 will dedicate a ward.

MATCHES AND THEIR HISTORY.

The announcement that Sir Isaac Holden, M.P., who died recently in London, Eng., was the inventor of the lucifer match may be correct, but there is strong evidence to the contrary, says an exchange. Phosphorous friction matches were made in Paris as long ago as 1816, and in 1827 they

penitentiary at Hohenasperg, in Germany. He began manufacturing after he was released from prison, but was ruined by Viennese competition, and died a pauper. Up to 1862 the manufacturers of Austria and South Germany controlled the match business of the entire world.

The primitive method of kindling a fire was, no doubt, the use of friction. Two pieces of wood were rubbed together until the dust evolved by the operation ignited by the heat produced. This mode was still in vogue a few years ago on some of the smaller islands of the Pacific, which had not enjoyed the advantages of sufficient commerce with Europe or America to keep them supplied with more modern contrivances. The usual way of performing this operation is to press the sharpened end of a stick of hardwood against a piece of soft



A Group of Surgical Patients.

were manufactured in considerable quantities in England. They were introduced on a commercial scale in England 63 or 64 years ago, and appear to have been brought out almost simultaneously in several other cities in Europe. The name most prominently connected with the early stages of the invention is Preschel of Vienna, who in 1833 had a factory in operation, making, besides phosphorous matches, fusees and amadou (or German tinder) slips tipped with an igniting compound. At the same time, also, matches were made by Moldenhauer in Darmstadt.

There is good authority for the belief that the friction match was the product of the ingenuity of John Frederick Komerer, who, early in the century, was imprisoned in the

wood, notched to receive the point, and twirl it rapidly back and forth between the palms of the hands. The small particles rubbed off are kindled after a while, and a little dry moss is added to increase the flame, until it is large enough to communicate to twigs and splinters. While this method answers well with the uncivilized people who employ it, it requires much habit and great strength, as shipwrecked mariners and "matchless" travelers have found to their sorrow.

In Terra del Fuego, at the extremity of South America, early travelers found the natives producing fire by rubbing briskly a piece of pyrites against a flinty stone and catching the sparks upon a dry, mossy substance, which was quickly inflamed.

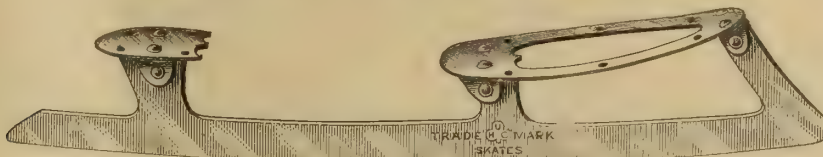
UNION HOCKEY SKATES



These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are : **STRENGTH**, which is guaranteed. **WEIGHT**, which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT** and **HANG** for ease of stroke and cutting corners.



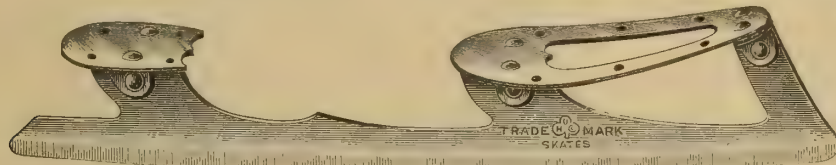
Plain Runner, Straight.



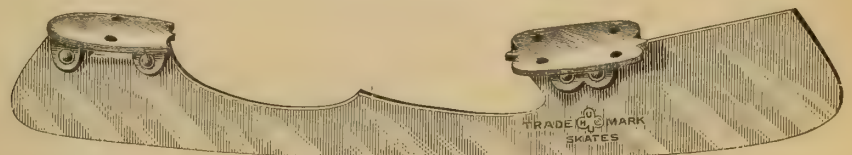
Plain Runner, Curved Blade.



Ribbed Runner.

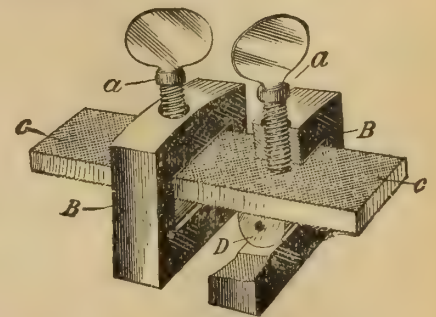


Ribbed Runner, Curved or Rocker Blade, for Ladies.



Victoria Club Skates.

UNION SKATE SHARPENER



UNION CLUB SKATES

**THESE
PATTERNS
MADE IN
ALL VARIETIES
OF FINISH AND
QUALITY**

**THE LARGEST
AND MOST COMPLETE
LINE ON THE MARKET**

Write for circular for full information for importing or we will tell you where they may be obtained in Canada.

UNION HARDWARE CO.

New York Office :

95 Chambers Street

TORRINGTON, CONN., U.S.A.

54 Years' Experience

WARNOCK'S Axes and Edge Tools have been on the Canadian market since 1844. They are unequalled in **Quality and Finish.** Always specify Warnock's Tools when buying.

JAMES WARNOCK & CO. - Galt, Ont.

CURRENT MARKET QUOTATIONS.

December 23, 1896

These prices are for such quantities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—
56 and 28 lb. ingots, per lb. 0 00 0 21½
Straits 0 00 0 21

Tin Plates.

Charcoal Plates—Bright.
M.L.S., equal to Bradley. Per box.
I.C., usual sizes \$5 00
I.X. " 6 25
I.X.X. " 7 50
J. R. & Co.—
I.C. 4 75 5 09
I.X. 6 00 6 25
I.X.X. 7 25 7 50
Famous—
I.C. 5 00
I.X. 6 25
I.X.X. 7 50
Raven & Vulture Grades—
I.C., usual sizes 3 50
I.X. " 4 25
I.X.X. " 5 00
I.X.X. " 5 75
D.C., 12½x17 3 01
D.X. 3 75
D.X.X. 5 75

NOTE.—Other brands might be shaded by 25c per box.
Coke Plates—Bright.
Bessemer Steel—
I.C., usual sizes 3 00
I.C., special sizes, base 3 15
20x28 6 00 6 25
Charcoal Plates—Terne.
Dean or J. G. Grade—
I.C., 20x28, 112 sheets 6 00
I.X., Terne Tin 7 50
I.C., Orion 6 09
I.X., Orion 7 25 7 50
Charcoal Tin Boiler Plates.
Cookley Grade—
X.X., 14x56, 50 sheet bxs }
" 14x60, " } 0 05½ 0 06
" 14x65, " }
Tinned Sheets.
72x30 up to 24 gauge 0 05½ 0 06
" 26 " 0 06½ 0 06½
" 28 " 0 07½ 0 07½

Iron and Steel.

Common Bar, per 100 lbs 1 45
" from factory " 1 35
Refined " 1 60
Horse Shoe " 1 65 1 70
Band " 1 65 1 75
Hoop " 2 00
Swedish " 4 00 4 25
Sleigh Shoe Steel " base 1 75
Tire Steel 1 85 1 95
Machinery 0 10 0 14
Cast Steel, per lb 0 12 0 14
Thos. Firth & Sons' Cast Steel 0 10½ 0 11
Russian Sheet, per lb 2 00 2 25
Tank Plates, 1-5 and thicker. 4 50 5 00
Boiler Rivets 0 06½
1½-inch 0 07½
2 " 0 09½
2½ " 0 11

Boiler Tubes.

Steel Boiler Plate.
-16 inch 2 00
" 1 90

¾ inch and thicker 1 75

Sheet Iron.

16 gauge and heavier 2 50 2 70
18 to 20 gauge 2 25 2 50
22 to 24 " 2 31 2 40
26 " 2 40 2 50
28 " 2 50 2 60

Canada Plates.

All dull, 52 sheets 2 25
Half polished 2 35
All bright 2 85 3 00

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ¾ inch, \$1.25 to \$1.31; ½ inch, \$1.31 to \$2.41; ¾ inch, \$2.89; 1 inch, \$3.91; 1¼ inch, \$5.20; 1½ inch, \$6.75; 2 inch, \$8.11.
Galvanized ½ inch, \$3.95; ¾ inch, \$4.89; 1 inch, \$5.75; 1¼ inch, \$9.15; 1½ inch, \$11.75; 2 inch, \$6.00. Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p.c.

Galvanized Iron.

16 gauge Amer. Head. 3 01 3 75
18 to 24 gauge 3 15 4 00
26 " 3 41 4 25
28 " 3 75 4 50

Chain.

Proof Coil, 3-16 in., per 100 lbs 25
" ¼ " 4 65
" 5-16 " 3 75
" ¾ " 3 25
" 1 " 2 85
" 1½ " 2 75
" 2 " 2 63
Trace, per doz. pairs 3 60 5 90
Jack chain, iron, single, per doz. yards 0 13 0 50
Jack chain, double, per doz. yards 0 15
Jack chain, brass, single, per doz. yards 20 10

Copper.

Ingot.
English B. S., ton lots 0 13 0 13½
Lake Superior
Bolt or Bar.
Cut lengths, round, ½ to ¾ in. round and square 0 20 0 22
1 to 2 inches 0 19½ 0 20
NOTE.—Complete lengths about 15 feet from 18½ to 19 cents a pound.

Untinned, 14 oz., and light, 16 oz., 14x43 and 14x60 0 16½ 0 17½
Untinned, 14 oz., and light, 16 oz., irregular sizes 0 16½ 0 17½
None.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.
Planished and tinned, 14x48 and 14x60 0 25 0 27
Braziers. (In sheets.)
4x6 ft. 25 to 30 lbs. ea. per lb. 0 17½
" 35 to 45 " 0 17
" 50-lb. and above, " 0 16½
Boiler and T. K. Pitts.
Plain Tinned, per lb 0 21
Spun, per lb 0 25

Wire.

Pure, in coils—
From 1 to 20 gauge, 12½ p.c. off list.
From 20 gauge up, 12½ p.c. off list

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 27½ p.c. off list.
Sheets, hard-rolled, 2x4 18 0 90
Tubing, base, per lb 0 21 0 22

Zinc Spelter.

Foreign, per lb 0 05½ 0 06
Domestic " 0 04½ 0 05

Zinc Sheet.

5 cwt. casks 0 07½
Part casks 0 07½

Lead.

Imported Pig, per lb 4 00
Domestic, per lb 0 05½
Bar, 1 lb. 0 05
Sheets, 2½ lbs. sq. ft., by roll. 0 05 0 05½
Sheets, 3 to 6 lbs., per sq. ft., by roll. 0 04½ 0 05
NOTE.—Cut sheets ½ cent per lb. extra. Pipe, by the roll, usual weights per yard, lists 7 cents per lb. and 25 per cent. discount.
NOTE.—Cut lengths, net price, waste pipe. in 8-ft. lengths, lists at 7½ cents.

Solder.

Per lb. Per lb.
Bar half-and-half 0 13 0 13½
Refined 0 12½ 0 13
Wiping 0 12 0 12½
NOTE.—Prices of this graded according to quantity. The prices of other qualities or solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb 0 10 0 11
Other makes, per lb 0 09 0 09½

White Lead.

Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons 5 75
No. 1 do 5 7½
No. 2 do 5 6½
No. 3 do 4 21
No. 4 do 4 23
Robertson's Chemically Pure 5 75
Munn's Select Flake White 6 00
Elephant and Decorators' Pure 5 75
Brandram's B. B. Genuine 7 75
James genuine, No. 1 7 00
" No. 1 6 43

White Zinc Paint.

Elephant Snow White 0 07
Pure White Zinc 0 08
No. 1 0 07
No. 2 0 06

Dry White Lead.

Pure, casks 0 04½
Pure, kegs 0 04½
No. 1, casks 0 04½
No. 1, kegs 0 04½

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)
Pure, per gallon 1 00
Second qualities, per gallon 0 90
Barn (in bbls.) 0 70 0 90
The Sherwin-Williams Paints 1 20
Canada Paint Co's Pure 1 00 1 10
Robertson's Pure 1 00 1 10

Colors in Oil.

(25 lb. tins, Standard Quality.)
Venetian Red, per lb 0 07
Chrome Yellow 0 11
Golden Ochre 0 06
French " 0 05
Marine Black 0 09
" Green 0 09
Chrome 0 08
French Imperial Green 0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt 1 35 1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt 2 75
Yellow Ochre (Royal), per cwt 1 10 1 15
Brussels Ochre 2 00
Venetian Red (best), per cwt. 1 80 1 90
English Oxides, per cwt. 3 00 3 25
American Oxides, per cwt. 1 75 1 90
Canadian Oxides, per cwt. 1 75 1 90

Burnt Sienna, pure, per lb. 0 10
" Umber, " 0 10
do. " 0 09
Drop Black, pure 0 09
Chrome Yellows, pure 0 18
Chrome Greens, pure, per lb. 0 12
Golden Ochre 0 05½
Ultra marine Blue in 28-lb. boxes, per lb. 0 08 0 24
Fire Proof Mineral, per 100 lb. 1 00
Genuine Eng. Litharge, per lb 0 07
Mortar Color, per 100 lb. 1 25
James' Gen. Red Lead, 100 lb 0 04½
Pure Ind an Red, No. 45, lb. 0 08
Whiting, per 100 lb. 0 50

Paris Green.

Pure, in bbls.
250 lb. casks
50 lb. drums
1 lb. packages
¼ lb. "
¼ lb. "
1 lb. tins
Sulphate of Copper. 0 04½
100-lb. cases, do. per lb.

Putty.

Bladders in bbls. 1 80
Bladders in 100 or 200 lb. kegs or bxs 1 95
Bulk in bbls., per 100 1 65
Bulk in less quantities 1 80
25-lb. tins, 4 in c. se. 2 65
12½-lb. tins, 8 in c. se. 2 35
Quotations f.o.b. Toronto—1½c. per 100 lbs. extra Hamilton, London Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In bbls.) per gal
Carriage, No. 1 1 50
Extra do. 2 50
Body Varnish 4 50
Furniture Varnish 0 65
Extra do. 0 90
Demar Varnish 1 60
Hard Oil Finish 1 40
Orange Shellac Varnish 2 00
White Shellac 2 20
Rubbing Varnish 2 50
Polishing Varnish 2 50

Linseed Oil.

Raw, per gal. net 0 50
Boiled, per gal. net 0 53
Outside points 1c. more than above figures
Turpentine. 0 62
1 to 4 barrels, net
Outside points 1c. more

Castor Oil.

In cases, per lb 0 10½
Small lots 0 11½
Cod Oil, per gal. 0 50 0 55
Pure Olive 1 20
" Neatsfoot 90

Glue.

(In bbls.)
Common 0 08½ 0 09
French Medal 0 12 0 12½
Cabinet, sheet 0 11 0 12
White, extra 0 16 0 18
Gelatine 0 22 0 30
Strip 0 16 0 18
Coopers 0 19 0 20
Al clear 0 09
Liquid Glue—F. LePage's, discount 20 to 25 per cent off list; Munn's, discount 25 to 30 per cent. off list.

HARDWARE.

Ammunition.

Cartridges.
R. B. Caps, Dom., 50 and 5 per cent.
Rim Fire Pistol, dis. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p. Amer.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
 Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
 Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent.
 Auver.
 Loaded and empty Shells, "Trap" and "Dominion" grades, 25 per cent. Rival and Nitro, 17 p.c.
 Canadian, common, 7½ per cent.
 Brass Shot Shells, 55 and 10 per cent.
 Primers, Dom., 30 per cent.
 Wads.

Best thick white felt wadding, in ½-lb bags, 1 00
 Best thick brown or grey felt wads, in ½ lb. bags, 0 70
 Best thick white card wads, in boxes of 500 each, 12 and smaller gauges 0 99
 Best thick white card wads, in boxes of 500 each, 10 gauge, 0 35
 Best thick white card wads, in boxes of 500 each, 8 gauge, 0 55
 Thin card wads, in boxes of 1,000 each, 12 and smaller gauges, 0 20
 Thin card wads, in boxes of 1,000 each, 10 gauge, 0 25
 Thin card wads in boxes of 1,000 each 8 gauge, 0 70
 Chemically prepared black edge grey cloth wads, in boxes of 250 each—
 11 and smaller gauge, 0 60
 9 and 10 gauges, 0 70
 7 and 8 gauges, 0 90
 5 and 6 gauges, 1 10
 Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
 11 and smaller gauge, 1 15
 9 and 10 gauges, 1 40
 7 and 8 gauges, 1 65
 5 and 6 gauges, 1 90

Anvils.
 Per lb. 0 10 0 12½
 Anvil and Vice combined, each, 4 50
 Wilkinson & Co.'s Anvils, lb. 09 0 09½
 Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
 Gilmour's, discount 65 p.c. off revised list.
 Hollow Stearn's, per dozen, 13 00 20 00
 Adjustable Stearn's, each, 4 50 6 50
 Post-hole, Vaughan's, each, 60 90
 Excelsior, Jennings', discount 50 per cent.

Awls.
 Sewing, per gross, 0 65 1 59
 Pegging, " 0 65 1 25
 Brad, " 0 85 1 60
 " handled, per gross, 3 60 30
 Saddler's, per gross, 0 45 1 60

Awl Hafts.
 Patent Peg, per gross, 7 25 8
 Sewing, per gross, }

Awl and Tool Sets.
 Millar's Falls, per doz., 2 80 3 30

AXES.
 Splitting Axes, 5 25 5 50
 Chopping Axes—
 Single List, per doz., 6 00 12 00
 Double List, 11 00 18 00
 Bench Axes, 40 and 10 p.c.

Axle Grease.
 Per gross, 6 00 13 00

Bath Tubs.
 Zinc, discount, 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list.
 Boxing extra

Anti-Friction Metal.
 "Tandem" A, per lb., 0 19
 " " B, " 0 16
 " " C, " 0 10½
 "Monarch" 1, " 0 21
 " 2, " 0 15
 " 3, " 0 10
 "Canadian" " 0 08½
 Magnolia Anti-Friction Metal, per lb., 0 25
 No Name Metal, " 0 15
 Mystic Metal, " 0 10
 F. O. B. New York or Chicago.

Bells.
 Hand.
 Brass, 60 per cent.
 Nickel, 55 per cent.

Door.
 Gongs Sargent's, 5 50 8 00
 "Peterboro", discount 50 per cent.

Cow.
 American make, discount 66½ per cent.
 Canadian, discount 45 and 50 per cent.

Farm.
 American, each, 1 25 3 00
 House, 0 35 0 40
 American, per

Bellows.
 Hand, per doz., 3 35 4 75
 Moulders, per doz., 7 50 10 00
 Jacksmiths', discount 60 per cent.

Belt.
 Extra, 50 per cent.
 Standard, 50 and 10 to 50, 10 and 5 per cent.
 Agricultural, 60 and 10 p.c.

Bench Stops.
 Per doz, 5 00 6 00

Bits.
 Auger.
 Gilmour's, discount 65 and 5 per cent.
 Excelsior, discount 60 per cent.
 Rockford Common, 70 to 70 and 10 per cent.
 " Perfectum, 50 and 10 per cent.
 Jennings' Gen., net list to 5 p.c. discount.

Car.
 Gilmour's, 47½ to 50 per cent

Expansive.
 Clark's 40 per cent.
 Excelsior, 10 per cent.
 Gimlet.
 Clark's, per doz, 0 65 0 90
 Diamond, Shell, per doz., 1 00 1 50
 Nail and Spike per gross, 2 25 5 20

Blind Rollers.
 Annex, per doz, 1 25 1 75
 Mascott, " 1 35 1 85
 Erminie, " 1 00 0 00

Blind and Bed Staples.
 All sizes, per lb, 7½ 0 12

Bolts.
 Carriage, dis., 60 and 10 to 70 p.c.
 Tire, dis., 70 and 5 per cent.
 Stove dis., 70 per cent.
 Elevator, dis., 35 to 40 per cent
 Machine, dis., 70 p.c.
 Coach Screws, dis. 70 and 10 p.c.
 Plough bolts, 60 p.c.

Boring Machines.
 Complete, with augers, each, 5 00 7 50

Braces.
 Barber's, 6 00 7 75
 Barber's Ratchet, 10 00 11 00
 Farmers, 2 00 2 75
 Millar's Falls, 15 50 29 00

Brackets.
 Shelf.
 Japanned Canadian, per doz. pairs, 0 50 3 40
 Berlin Bronze Canadian, 0 85 3 20

Broilers.
 Light, dis. 65 to 67½ per cent.
 Reversible, dis., 65 to 67½ per cent.
 Vegetable, per doz., dis. 37½ per cent.
 Henis, No. 8, 6 00
 Henis, No. 9, " 7 00
 Queen City, " 7 50 0 00

Butchers' Cleavers.
 German, per doz., 6 00 11 00
 American, per doz., 12 00 20 00

Building Paper, Etc.
 Plain building, per roll, 0 30
 Tarred lining, per roll, 0 40
 Tarred roofing, per 100 lb., 1 45
 Coal Tar, per barrel, 3 75
 Pitch, per 100-lb., 0 60

Butts.
 Brass.
 Wrought Brass, dis., 17½ p.c. revised list.

Cast Iron.
 Loose Pin, dis. 70 per cent.

Wrought Steel.
 Fast Joint, dis. 70, 10 and 5 to 75 p.c.
 Loose Pins, dis. 70, 10 and 5 to 75 p.c.
 Berlin Bronzed, dis. 70, 70 and 5 per cent.
 Gen. Bronzed, per pair, 0 40 0 65

Can Openers.
 Acme, per gross, 9 00 10 00
 Sardine Scissors, per doz, 3 75 4 50

Card.
 Horse, per doz., 0 60 1 00

Carpet Stretchers.
 American, per doz, 1 00 1 50
 Bullards, per doz, 6 50

Carpet Sweepers.
 Bissell, per doz, 22 50
 World, " 21 75
 Daisy, " 24 00
 Star, " 18 00
 Crown Jewel, per doz., 29 00
 Grand Rapids, " 24 00 33 00

Cartridges.
 (See Ammunition.)
 Castors.
 Red new list, dis. 55 to 57½ per cent.
 Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
 Nos 31 and 32, per gross, 8 50 50

Cement.
 Canadian, Portland, 2 50
 Reddish, " 2 85
 Belgium, " 2 75
 Canadian hydraulic, 1 20
 Figures are for barrel lots.

Chalk.
 Carpenters Colored, per gross, 0 45 0 75
 White lump, per cwt, 0 60 0 65
 Red, " 0 05 0 06
 Crayon, per gross, 0 14 0 18

Chisels.
 Socket, Framing and Firmer.
 American, dis. 75 per cent.
 Canadian, dis. 40 and 5 per cent
 Tanged firmer, per dc, 0 85 4 00

Churns.
 Delivered from stock in Ontario: No. 0, \$2.85
 No. 1, \$3.35—No. 2, \$3.95—No. 3, \$3.60—No. 4, \$4.35—No. 5, \$5.75
 Delivered from stock.
 Montreal: No. 0, \$3.05—No. 1, \$3.25—No. 2, \$3.45—No. 3, \$3.80—No. 4, \$4.55—No. 5, \$6.05.

Clamps.
 Tudd's, dis. 20 per cent.
 Stearn's, per doz, 3 00 10 00

Clips.
 Axle dis. 65 per cent.

Closets.
 Washout, plain, 3 25
 " embossed, 3 50

Coffee Mills.
 Box, 3 60 13 00
 Side, 3 60 4 00
 Enterprise, No. 0, 1 35
 No. 2, 70

Compasses, Dividers, Etc.
 American, dis. 62½ to 65 per cent

Cradles, Grain.
 Canadian, dis. 20 per cent.

Dies.
 Hart Mfg. Co. (pipe dies), (Amer. list), dis. 40 per cent.
 Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
 Torrey's Rod, per doz., (15 p.c., 2 00
 Coil, per doz, 0 88 1 60
 English per doz., 2 00 4 00

Draw Knives.
 American, dis. 70 and 10 per cent.
 Canadian, dis. 25, 50 and 10 per cent.

Drills.
 Hand and Breast
 Millar Falls, per doz., 16 00 51 50
 P. S. & W., dis. 40 per cent.

DRILL BIT.
 Morse, dis. 37½ to 40 per cent.
 Standard, dis. 50 and 5 to 65 per cent.

ELBOWS.
 Stovepipe.
 Per doz, 85 1 70

FAWCETS.
 Cork Lined, per doz., 0 30 0 35
 Wine, per doz, 1 30 3 25
 Star, 2 80 3 90
 Fenn's Corkstops, No. 2, per dozen, 1 70
 Petroleum, per doz., 4 50 6 50

FILES.
 Globe File Mfg. Co.'s dis., files, 50 and 10 to 70 per cent.
 Black Diamond, 50 and 10 to 60 per cent.
 Kearney & Foote, 60 and 10 per cent. to 60, 10, 10.

FRUIT PRESSES.
 Nicholson File Co., 50 and 10 to 60 per cent.
 Jowitt's, English list, 25 to 27½ per cent.
 American, 60 to 60 and 5 per cent.
 Great Western, 60 and 10 per cent.
 Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FLUTING MACHINES.
 Each, 0 60 2 00

FORKS.
 Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS.
 Ice Cream.
 Gem from \$1.25 to \$7 net.
 White Mountain, 1 to 25 qt., 1 35 13 50
 Arctic, dis. 50 p.c.

FRY PANS.
 Acme, dis. 65 to 67½ per cent.

GAUGES.
 Marking, Mortise, Etc.
 Stanley's, dis. 50 to 55 per cent.

Wire Gauges.
 Winn's, Nos. 26 to 33, each, 1 65 2 40

GLASS.
 Window.
 Box Price.

Star.
 Under 25, 1 80 3 50 5 50
 26 to 40, 1 95 3 80 6 00
 41 to 50, 4 21 6 75
 51 to 60, 4 50 8 00
 61 to 70, 4 80 8 75
 71 to 80, 5 20 9 75
 81 to 85, 5 80 10 75
 86 to 90, 6 80 13 00
 91 to 95, 14 75
 96 to 100, 16 75
 101 to 105, 18 75
 106 to 110, 22 75

GLUE POTS.
 Tinned, each, 0 30
 Enamelled each, 0 55

GRINDSTONE FIXTURES.
 Per doz., 3 60 4 00

HALTERS.
 Rope, ¾ per gross, 8 25 8 5
 " ½, " 9 25 9 50
 " ¼, " 11 00 11 25
 Leather, 1 in., per doz., 3 87½ 4 00
 " 1½ in., " 5 15 5 25
 Web, — per doz., 1 87 2 40

HAMMERS.
 Nail
 Maydole's, dis. 5 to 10 per cent. Can., dis. 25 to 27½ per cent.

Tack.
 Magnetic per doz., 1 10 1 20

Sledge.
 Canadian, per lb, 0 07½ 0 08½

Ball Pen.
 English and Can., per lb., 0 22 25

HANDLES.
 Axe, per doz., net, 1 50 2 60
 Store door, per doz, 1 00 1 50
 Chest, per doz. pairs, 0 40 2 50

Chisel.
 Firmer, per gross, 3 00 4 50
 Socket Firmer, per gross, 3 25 8 00
 Socket Framing, per gross, 3 75 5 00

Fork.
 C. & B., dis. 45 per cent. rev. list.

Hoe.
 C. & B., dis. 45 per cent. rev. list.

Saw.
 American, per doz., 1 00 25

Plane.
 American, per gross, 3 1

Hammer and Hatchet.
 Canadian, 45 per cent.

Cross-Cut Saw.
 Canadian, per pair, 0 13½ 0 20

HANGERS.
 Door, 4 and 5 inch, per pair, 0 40 0 50
 Lanes, 6½ per cent.

HATCHETS.
 Canadian, dis. 40 to 42½ per cent

HINGES.
 Blind, Parker's, dis. 60 and 10 to 65 per cent.
 " Shepard's Noiseless, dis. 60 to 70 p.c.
 " Buffalo, dis. 60 to 70 p.c.
 Light T and strap, 70 and 10 p.c.
 Heavy, per lb., 0 03½ 0 04½
 Screw hook and hinge—
 6 to 12 in., per 100 lbs., 3 15
 14 in. up, per 100 lbs., 2 35
 Per doz. set, 1 13 1 80
 Gate, Clark's, 1 50 2 20
 " Shepard's, dis. 50 to 60 per cent.

Spring.
 " Shepard's Samson, 9 50
 " 1 20

HOES.
 Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
 Planter, per doz., 0 50

HOOKS.
 Cast Iron.
 Bird Cage, per doz, 0 50 1 10
 Clothes Line, per doz, 0 27 0 63
 Harness, per doz, 0 72 0 88
 Hat and Coat, per gross, 1 00 3 00
 Chandelier, per doz, 0 50 1 00

Wrought Iron.
 Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
 Hat and coat, dis. 60 to 60 and 10 p.c.
 Belt, per 1,000, 0 60 0 70
 Screw, bright, dis. 65 and 10 per cent

HORSE NAILS.
 "C" brand, 50 p.c. dis.
 "M" brand 50 p.c.
 "P. B.", dis. 50 p.c.
 Acadian, 50 and 20 p.c., countersunk head

HORSE SHOES.
 Iron Shoes. F.O.B. Montreal F.O.B. Toronto
 Light, medium, and heavy, 3 15 3 25
 Snow shoes, 3 40 3 50
 Steel Shoes.
 Light, all sizes, 3 35 3 45
 Extra light, 4 50 4 60
 Toe weight (steel), 5 50 5 60

Also Hamilton, London, Guelph, St. John. Halifax.

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 Star, per doz., 3 00 3 25

KETTLES.
 Brass spun, 7½ p.c. dis. off new list.
 Copper, per lb., 0 30
 American, 60 and 10 to 65 and 5 p.c.

KEYS.
 Lock, Can., dis. 50 p.c.
 Cabinet, trunk, and padlock, Am. per gross, 1 60

KNOBS.
 Door, japanned and N.P., per doz, 0 90
 Bronze, Berlin, per doz., 2 75 3 25
 Bronze Genuine, " 6 00 9 00
 Shutter, porcelain, F. & L. screw per gross, 1 30 4 00

KNIVES.
 Claus, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.
 Christie, bread, cake, and paring knives, \$7.00 doz. sets, with 10 p.c. off.
 Hay knives, spear point, L or T handle, 60 10 and 5 per cent.
 Lightning, per doz., 6 50 8 40
 Heath's, \$7.75 net.

LADLES.
 Melting, per doz., 1 70 4 50

LEMON SQUEEZERS.
 Porcelain lined, per doz., 2 20 5 60
 Galvanized, " 1 87 3 85
 King, wood, " 2 75 2 90

King, glass, "	4 00	4 50
All glass	1 20	1 30
LINES.		
Fish, per gross	1 05	2 50
Chalk	1 90	7 40

LOCKS.		
Canadian, dis. 50 p.c.		
Russell & Erwin, per oz.	1 75	7 50
Cabinet,		
Eagle, dis. 30 p.c.		
Padlock,		
English and Am., per doz.	50	6 00
Scandinavian,	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.		
Iron and Brass,		
Flat head, discount 25 p.c.		
Round Head, discount 20 p.c.		

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Tinsmiths', per doz.	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.	3 85	5 00
Caulking, each	1 60	2 00

MATTOCKS.		
Canadian, per doz.	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.		
American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINING KNIVES.		
American, per doz.	0 42	2 35

MOLASSES GATES.		
Stebbin's Patent, dis. pre cent., 77½ per cent.		

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Quotations are:	Cut.	Wire.
2d. and 3d.	\$2 75	\$2 75
3d.	2 40	2 40
4 and 5d.	2 15	2 15
6 and 7d.	2 05	2 05
8 and 9d.	1 90	1 90
10 and 12d.	1 85	1 85
16 and 20d.	1 83	1 80
30, 40, 50 and 60d. (base) ..	1 75	1 75

Steel Cut Nails 10c. extra.		
Brads and finishing nails, special sizes, 80 p.c. from new list.		

NAIL PULLERS.		
German and American	1 85	3 50

NAIL SETS.		
Square, round, and octagon, per gross	3 38	4 00
Diamond	12 00	15 00

NETTING.		
Poultry, 67½ per cent. for imported, 55 per cent. for McMullen's.		

OIL.		
Canada refined oil (Toronto) ..	0 14	
Carbon safety "	0 16½	
American w. w. "	0 17½	
Pratt's Astral	0 17	

OILERS.		
McClary's Model galvan. oil can, with pump, 5 gal., per doz.	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.	1 25	3 50
Brass,	1 50	3 50

PAIS.		
Galvanized, per doz.	1 85	3 00

PENCILS.		
Dixon's, per gross	1 00	4 25
Carpenter	2 25	3 60

PICKS.		
Per doz.	6 00	9 00

PICTURE NAILS.		
Porcelain head, per gross	1 40	3 00
Brass head,	0 40	1 00

PIPE CUTTING MACHINERY		
Forbes Patent Die Stocks.—Curtis & Curtis, Mfrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to 2 in. R. & L.	\$ 50 00	
No. 38 Hand Machine, range 1½ to 4 "	100 00	
No. 56 Hand Machine, range 2½ to 6 "	175 00	

PLANES.		
Wood, bench, Canadian dis. 55 per cent.		
American dis. 55.		
Wood, fancy Canadian or American, 37½ to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.		
Miscellaneous, dis. 25 to 37½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.		
English, per doz.	2 00	5

PLIERS AND NIPPERS.		
Button's Genuine, per doz pairs, dis. 37½ 40 p.c.		
Button's Imitation, per doz.	5 00	9 00
German, per doz.	0 60	2 60

PLUMBS AND LEVELS.		
S. R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		

POPPERS.		
Corn, square, per doz.	1 35	2 00

PRUNING SHEARS.		
Per doz.	4 00	5 50

PULLEYS.		
Hothouse, per doz.	0 55	1 00
Axle	0 22	0 33
Screw	0 27	1 00
Awning	0 35	2 50

PUMPS.		
Canadian cistern	1 40	2 25
Canadian pitcher spout	1 15	2 00

PUNCHES.		
Saddlers', per doz.	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set.	0 00	0 72
" hollow, per inch.	0 00	1 00

RAIL.		
Barn door, per foot.	0 02½	0 02½
Sliding door, "	0 03½	0 03½
Lanes, "	0 02½	0 02½

RAKES.		
Cast steel and malleable Canadian, list dis. 60 to 60, 10 and 5 p.c. revised list.		
Wood, 25 per cent.		

RASPS AND HORSE RASPS.		
New Nicholson horse rasp, discount 60 p.c.		
Globe File Co.'s rasps, 6½ and 10 to 70 p.c.		
Toronto File Co.'s rasps, 60 and 10 to 70 p.c.		
Heller's Horse rasps, 5½ to 50 and 5 p.c.		

RAZORS.		
Geo. Butler & Co.'s, per doz.	8 00	18 00
Boker's, "	7 50	11 00
Wade & Butcher's, "	3 60	10
Arbuz's, "	9 00	18
Thiele & Quack's, "	7 00	12

RAZOR STROPS.		
Currier's, per doz.	1 25	3 60

RIVETS AND BURS.		
Carriage, Section, Wagon Box Rivets, etc. (Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc. (Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and p.c.		
Copper Rivets & Burs, 45 p.c. dis.		
" " in ¼-lb. boxes and cartoons, 1c. per lb. extra, net.		
Burs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.		
Canadian, dis. 35 to 37½ per cent.		

ROPE, ETC.		
Sisal. Manilla		
7-16 in. and larger, per lb. 9½	10½	
¾ in. and 5-16 in.	10½	11
Cotton	11½	13
Russia Deep Sea	14½	
Jute	6¾	7½
Lath Yarn	8¾	
New Zealand Rope	9¾	

RULES.		
Boxwood, dis. 80 and 10, to 80 and 12½ p.c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.		
Mrs. Potts, per set.	0 62½	1 00
" N.P., per set.		90

SAD HEATERS.		
Dome, Shepard's, per doz.	4 75	5 00

SAND AND EMERY PAPER.		
Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.		

SASH CORD.		
Per lb.	0 20	0 50

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Triumph and Morris, dis. 37½, 40 per cent.		
Kempshell's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.		
Sectional, per 100 lbs.	1 40	1 75
Solid,		1 25

SAWS.		
Crosscut, McMillan & Haynes, per dozen	0 40	0 70
" Empire, McMillan & Haynes, per ft.		0 70
Hand, Disston's, dis. 12½ to 15 p.c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Disston's, per ft.	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each	0 75	2 75
" frame only.		0 75

SAW SETS.		
" Lincoln, McMillan & Haynes, per doz.	6 00	7 50
Whiting	5 63	7 00

SCALES.		
Gurney Scales, 50 p.c.		
R. S. & M. Scales, 50 p.c.		
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Fairbanks Standard, 45 p.c.		
" Dominion, 61 p.c.		
" Richelieu, 60 p.c.		
Chatillon Spring Balances 25 p.c.		

SCRAPERS.		
Box, per doz.	2 10	4 50
Root, "	0 40	3 50

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Door, patent, per doz.	6 50	11 00
Window, per doz.	2 00	2 75

SCREW DRIVERS.		
Sargent's, per doz.	65	90

SCREWS.		
Wood, F. H., iron, and steel, dis. 87½ p.c.		
Wood, R. H., " dis. 80 p.c.		
" F. H., brass, dis. 82½ p.c.		
Wood, R. H., " dis. 75 p.c.		
Drive Screws, 87½ per cent.		
Bench, wood, per doz.	3 25	4 00
" iron,	4 25	5 75

SCYTHES.		
Discount, per doz. net.	4 50	6 00

SCYTHE SNATHS.		
Canadian, dis. 50 p.c.		

SHEARS.		
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B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 80 p.c.		
Enna, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
" N.P., dis. 70 p.c.		
Clauss, full nickel, 60 p.c.		
" japanned handles, 67½ p.c. off.		
Seymour or Heinisch tailor shears, 15 p.c.		

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Sliding door, per set.	0 77	1 40

SHOVELS AND SPADES.		
Canadian, dis. 40 and 10 to 45 and 2½ p.c.		

SIEVES.		
Wood rim, black, per doz.	1 05	1 10
" tinned, "	1 25	1 35
Tin rim, per doz.	2 30	2 45
" black,	1 85	2 25

SNAPS.		
Harness, German, dis. 35 to 37½ p.c.		
Acme	3 00	5 00
Lock, Andrews'	4 50	11 50

SOLDERING IRONS.		
Per lb.		0 25

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Discount, 35 to 40 per cent.		

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ron, American	1 35	2 35

SPOONS AND FORKS.		
Tea spoons, per gross	7 50	12 00
Dessert, "	21 00	00 00
Table, "	30 00	30 00
Dessert Forks, "	24 00	00 00
Medium "	27 00	00 00
Table "	36 00	00 00

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Iron, per doz.	1 65	2 9
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p.c.		

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Galvanized	2 00	
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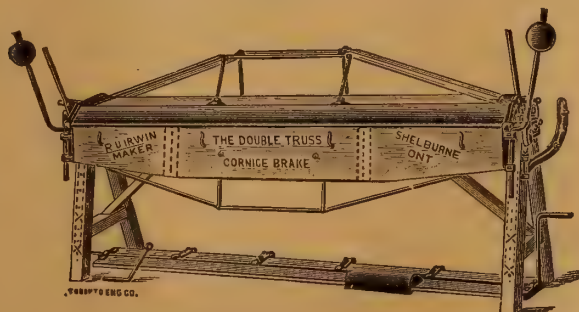


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VOL. X.

MONTREAL AND TORONTO, DECEMBER 31, 1898.

NO. 53



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HEINISCH



TRADE-NAME (ON) SHEARS, TRIMMERS, Etc.

The U.S. Circuit Court, Southern District of New York, Judge Townsend, has rendered a decision in the suit of "R. Heinisch's Sons Co. vs. Hermann Boker & Co."

"The Complainant is entitled to an accounting, and to an injunction restraining them from using the names 'Heinisch' or 'H. O. Heinisch' on its Shears, Labels, etc., and otherwise, in any way which will interfere with Complainant's enjoyment of the benefits of its Trade-name."

Referring to the above decision, we would respectfully state our determination to protect our rights in the premises and warn all persons against any imitation of our Trade name.

R. HEINISCH'S SONS CO.,

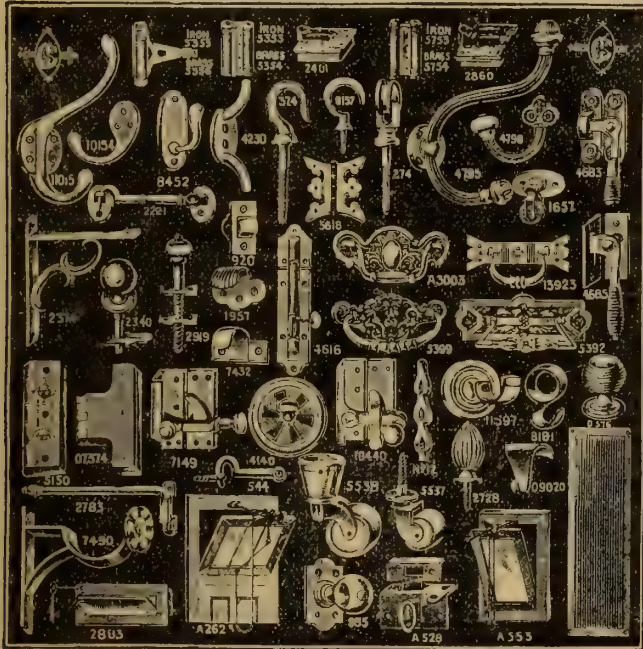
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NEWARK, N.J., U.S.A.

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CABINET, BUILDERS', FURNISHING AND NAVAL BRASSFOUNDRY
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SPIRAL-RATCHET SCREW DRIVER.



RATCHET SCREW DRIVER, 2, 3, 4, 5, 6, 8, 10, 12 inch.

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Descriptive Circulars will be mailed
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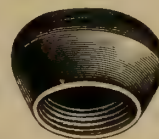
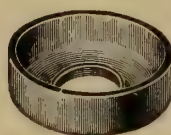
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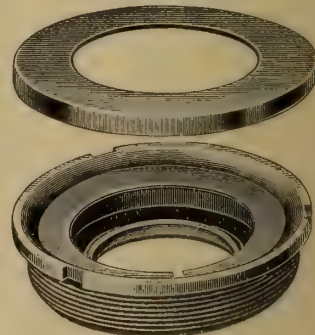
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This Explains Why

we find it necessary to increase our capacity for turning out our popular brands of Premier, Crescent and White Enamelled Steel Wares :



"KINGSTON, ONT., Nov. 24, 1898.

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"GENTS,—The enamelled ware sold in the Canadian market for some years, has not been equal in quality or finish to the American Agate or Granite lines sold years ago.

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to carry in stock unknown brands of stove polish that your customers know nothing about, brands they do not call for, the quality of which is inferior, gives them dissatisfaction, and the consequent sale of which brings discredit to your store? Your best judgment answers NO! Then sell

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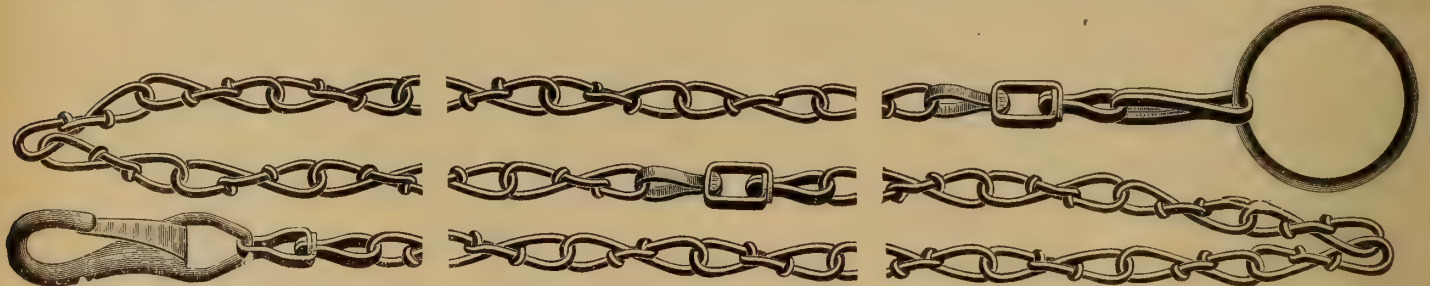
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For tethering cattle in fenceless pastures.
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Bicycles

Seven Different Models

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SHELBY CYCLE MFG. CO.
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We use the utmost
care in manufacturing
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goods, and can con-
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**WHEN WRITING ADVERTISERS
PLEASE MENTION THAT YOU SAW
THEIR ADVERTISEMENT IN THIS PAPER**

FIRMNESS IN IRON MATERIAL.

VALUES on almost every material bearing on staple lines of hardware and metal point higher at the moment, and many confidently expect an advance on current prices in the near future.

The first indication of this disposition was given lately in connection with plain wire and wire nails, leading makers withdrawing prices on both lines, and, though the fact has not affected jobbing prices as yet, it is expected to, provided that cost prices reach the point that some predict they will, owing to the sharp rise in raw material.

Another point about the situation is that the tone is firm, both in England and the

United States. Sheet iron furnishes one illustration in the former respect.

Importers have commenced to dicker on this line for forward importation, but have been unable to secure the acceptance of any orders by makers in Great Britain, because the latter would not ensure shipment upon the receipt of orders, or upon the time specified.

The refusal was based upon the fact that they had all they could attend to at present, and that there was lots of business in sight away ahead.

Reference has already been made in these columns to the firm tendency on tin, copper, and other metals, and, now, pig iron has taken a jump, values lately at Pittsburg advancing 25 to 50c. per ton. Altogether, the iron situation seems to be a very firm one.

He who would get to the top of his business must first get to the bottom of it.

DO NOT CUT PRICES.

There is one thing merchants should resolve to do at the New Year, and that is not to cut prices.

The practice of cutting prices is induced by selfishness. The merchant who believes in living and let live does not cut prices. No one gains by it, and every merchant who participates in it suffers by it.

A lazy man can no more hope to be successful in life than can a man with a chain and ball at his ankle hope to win a race in which his competitors have not this impediment.

NIAGARA'S NEW SUSPENSION BRIDGE.

THE suspension bridge which is in course of construction across the Niagara river, at a point a short distance above Queenston Heights, is expected to be finished by next summer.

The bridge will be on the site of the old bridge which was destroyed by a storm 34 years ago, the cables and guy ropes of which have attracted the attention of excursionists until within the last few months, they having been removed preparatory to erecting the proposed new structure.

The old cable, a few years ago, it will be remembered, served as a passage way into Canada of a murderer who was trying to escape the hand of justice. There being no pathway, the murderer crossed the river hand over hand on the cable, but his marvelous feat did not prevent him from being eventually captured.

The bridge will be suspended from four towers, two on either side of the river, and two cables will run from each tower. The span of the cable from tower to tower will be 1,040 feet. The width of the bridge will be sufficient for vehicular and passenger traffic.

Being an international affair, two companies are engaged in the construction of the bridge, one for each country concerned. It is, however, to be noted that out of the three officers of the Canadian company two are residents of the United States. The Canadian is Mr. Thomas G. Blackstock, who is president of the company.

About 800 tons of iron, 200 of which will be taken by the cable, will be used in the construction of the bridge.

UNITED STATES SILVER IN CANADA.

A UNITED STATES contemporary, in complaining about the quantity of Canadian silver currency which is in circulation in that country, says: "Everyone has a right to demand American money, and if this demand were general in the United States, persons who bring Canadian money across the border would be obliged to visit the money changers at the frontier."

This silver currency question has attracted a great deal of interest in Canada, and especially during the last seven or eight years. During the most serious period of the recent depression in the United States, and the alarming depreciation there in the value of the silver dollar, silver currency from across the border became so unpopular in this country that for a time it practically ceased to circulate. During the last year or two, it has, however, again come a great deal into evidence, and a great deal of annoyance has been caused to those, who, after having generously taken it at par, have found that those to whom they paid it refused to take it except at a discount, while others would not accept it at all.

It has been contended that the character of the money in circulation helps or hinders the promotion of patriotism. That is, that native coin helps and foreign coin hinders this spirit. This is true; but probably to a limited extent, and scarcely sufficient to prevent the promulgation of the doctrine that money which will circulate in all countries at par is something that is to be desired, at any rate for convenience sake.

But silver money is not at present qualified, and for the simple reason that it is not stable enough. With gold, however, it is another matter.

Being, therefore, not qualified, it would be most convenient for United States silver money to circulate in Canada. It is not needed here. We have plenty of our own.

The trouble is: How is the practice of taking United States silver coinage to be discontinued?

If one merchant refused to take United States silver over his counter, he is not only afraid of offending a customer, but of losing one as well, for he knows there are competitors of his who would be only too willing to take what he refused.

The aid of Parliament might be invoked,

and an Act passed preventing the circulation of foreign silver in Canada, but this, while it might be possible, might not be politic.

The most effective and the simplest way would be for merchants to refuse to accept United States silver over the counter. In order to do this effectively it would be, perhaps, necessary for the merchants in each village, town and city in the Dominion to enter into an agreement in regard to the matter. And, as this decision became known, the consuming public would become possessed of the same idea, which would materially lessen the difficulties of the merchant in this respect.

SALARY AS A MEASURE OF DUTY.

THE man who does not do his best because he deems the salary he is paid does not warrant his doing so makes a mistake.

When a man enters the employ of another it is implied that he will do his duty, and one only performs his duty when he is doing his best.

The size of the salary should never be the gauge by which one measures out his duty.

It is not performing a duty to half do a thing any more than boring a hole is blasting a rock.

If a man is not prepared to do his best for a certain wage, his duty is not to accept the position. And, if he is filling a position for which he is inadequately paid, the right thing for him to do is to resign unless he has the patience to wait, still performing his duty, until he gets a better salary or better position elsewhere.

Worth will come to the top somehow and somewhere; and, even for his own sake, to say nothing of what he owes to his employer, this should impel a man, be he young, middle-aged or old, to do his best at all times and in all seasons.

If a struggling architect did not do his very best work when he was unknown and poorly paid, how in the world could he ever expect to become famous and secure good prices for his plans? Of course he could have no such expectations unless he happened to be a fool.

Every young man is the architect of his own fortune, and unless he follows definite and proper lines he cannot hope to build a good superstructure.

TAKE STOCK.

THE Old Year is dying, and when it goes out another year's business will have been concluded. And every merchant, no matter how small his business, may be, should ascertain just where he stands at its close.

To know that he is able to meet all pending liabilities is not enough. Every merchant should know, at least once a year, where he actually stands, and this knowledge he can only possess after having carefully taken stock.

It does not do for a merchant to guess his position, any more than it is safe for a mariner to guess his latitude and longitude.

It requires time for a merchant to take an inventory of his stock, to count up his liabilities, and to value his assets. But it is well worth the time it demands. And he who will not take the time cannot as intelligently do his business as he otherwise would.

An inventory not only allows a merchant to ascertain the value of his stock, but it enables him to get a better idea as to its character, without knowing which he could not properly estimate his financial position.

In taking an inventory, care should be taken to place the proper value upon every article or line in stock. A merchant would be deluding himself if he estimated at its cost price any article which had proved to be unsalable or had been a long time on the shelves.

Every year that an article is in stock it depreciates in value, and, as it depreciates, its selling price should be marked down until it is eventually disposed of or is thrown into the rubbish heap or scrap pile.

Then, unless the business is a cash one, there are the book debts to be taken into account. Book debts, like stocks of merchandise, depreciate in value. And these, in the balance sheet, should be estimated, not at their face value, but at their presumed worth.

With these things done, the merchant is well on his way to ascertain his financial position.

He is a foolish man who relies upon his pedigree for success in life, even if he can trace his ancestry back to William the Conqueror.

TINPLATE EXPORTS.

THE exports of tinplates from Great Britain to the United States increased by 1,500 tons during November, compared with the previous month. But, gratifying as this may be, the quantity is 332 tons less than during November of 1897.

Taking the trade of the eleven months, according to British returns, the exports to the United States were 61,676 tons, against 75,352 the same period in 1897, a decrease of over 18 per cent.

The aggregate exports for the eleven months have also fallen off, the figures for the past eleven months being 231,648 tons, against 250,651 tons the same period in 1897. British North America took 1,992 tons less than it did in 1897.

But, while Great Britain's foreign trade in tinplates is less than last year, it is gratifying to learn that the consumption in the home market was never so extensive. The demand from the European continent is also on the increase.

WIRE RODS FOR CANADA.

One of the features of the wire rod trade in the United States last week was the purchases by Canadians, at what a trade paper declares to be "pretty high prices."

The effect of the advance in wire rods is already beginning to manifest itself in Canada in articles into the manufacture of which these enter. Wire nails are being quoted higher, \$1.80 for less than carload lots and \$1.75 for carload lots being the idea as to price. And at these prices manufacturers will not book orders for future delivery. A bid of less than \$1.75 for a large round lot was not entertained.

Not only is the price of wire rods firm, but Canadian manufacturers of wire nails complain that they cannot get prompt delivery.

The advance of wire rods during the past few weeks has been marked. At the beginning of the present month they were quoted at \$20.25 per ton, Pittsburg. To-day they are \$1.50 per ton higher, while the mills have more orders than are convenient.

A SPACIOUS HARDWARE STORE.

The new store which A. D. Ellis, hardware merchant, Simcoe, Ont., has had built and is now occupying, is attracting con-

siderable attention because of its size, and the completeness of its fittings.

The store is of pressed brick, has a frontage of 90 and a depth of 70 feet. There are two storeys, the ground floor being 15 feet high, and the first floor 13 feet in height.

On the ground floor, there are 985 boxes and drawers containing stock. Of these, 385 are on one side. On the one side, counters run the full length of the store, and, on the other are tables and show cases. The wall behind these is filled with upright glass show cases, in which the glass slides upward instead of opening outward.

A handsome flight of stairs leads from this floor to the first floor. A stock of glass, which compares in volume favorably with the stock of some wholesale houses, is kept on this storey.

In the basement, which is floored with granolithic, a large furnace is placed. Heavy goods are also stored there. The whole building is well lighted by gas.

COKE FOR B.C. SMELTERS.

A MONTREAL GAZETTE reporter secured from Hanson Bros. the other day, some very interesting information regarding the development of the Crow's Nest Pass Coal Company, at Fernie, B.C. Coal and coke are already being shipped in fairly large quantities, and, at the end of the month, the product of the first fifty coke ovens which have been established at Fernie will be shipped, probably at the rate of 75 tons per day.

The most important point is, that after severe tests this coke turns out to be equal, if not superior, to the best imported from abroad.

Mr. Hanson says that the brick and stone are on hand for the construction of the second fifty ovens, which will be put up as soon as spring opens, although the winter weather does not interfere in the least with the work of those ovens already in position. Although next summer will see the quantity of these coke ovens greatly increased, the demand will still be greater than the supply. This, in fact, would be the case if the number were doubled.

As so often predicted in connection with the building of the Crow's Nest Pass Railway, the smelters at Trail, Northport, and other points are anxious to secure this coke, and, of course, the old rate has almost been cut in two. The company have secured a good many miners from Cape Breton, and their families were sent out to them only quite recently.

DROPS FROM THE EDITOR'S PEN.

A Happy and Profitable New Year.

Half-hearted men are not half successful men.

Perseverance procures prosperity, and he is a wise man who employs it.

It is ambition that starts a man going, and it is will power that keeps him going.

Begin the New Year with new business methods if the old ones have become obsolete.

Good goods and honest dealing are the seeds from which the successful business is produced.

Do not get above your business if you would not have your business get from under you.

System to the business is what the governing ball is to the engine: it keeps things running smoothly.

The departing Year has been particularly good to Canada, and we shall think kindly of him no matter how gracious his successors may be.

A permanent business cannot be built upon bad business methods any more than a permanent home can be built upon an iceberg.

Clay only becomes bricks after it has been pressed and burned; and men only become successful merchants after they have been molded by discipline and heated by the fire of competition.

BROOMS UP.

In last week's issue of **HARDWARE AND METAL**, it was pointed out that the broom corn in the United States had been cornered—that the price of this article had been advanced 50 per cent.

A press despatch from Chicago states that The Broom Manufacturers' Association has unanimously decided to advance the price of brooms 25c. per dozen. No change has yet been made in prices in Canada.

It seems that in addition to the corner on broom corn, the crop is fully 50 per cent. short, the low prices of the past having caused a decreased cultivation.

HOW LEAD IS CHANGED INTO PAINT.

NOT one man or boy in a thousand knows anything about the manufacture of paint, says The Pittsburg Despatch. To begin with, what is white lead, which is the base of all, or nearly all, paints?

"Don't know."

It would be odd if you did. Now and then you may find someone to tell you that the same lead you mold into bullets is the white lead you see in the paint pots, but you will ask a great many people before you find one to explain the process of manufacture. Let us follow it out.

Iron is melted into what are called "pigs" for shipment and for convenient use. It is the same with lead, only the pigs are not as large and heavy. The first step in the manufacture is to corrode the lead. We will take what is called the "old Dutch process," because that makes the best article. The "pigs" are tossed into a melting furnace, and when reduced to a liquid state the metal is drawn off into molds, which are called "buckle molds." The lead thus molded is called a "buckle," being a little round cake nearly as large as a saucer, but not so thick, and perforated in many places.

"BUCKLES."

These "buckles" are carried by an endless belt and dropped into earthen jars of various sizes. At the bottom of each jar is a small quantity of acetic acid. When a jar is full of "buckles," which have been dropped in without regard to order, it is removed to the corroding house. Here the jars are placed in a row, covered by boards, the boards are covered by two inches of tan-bark, and then another course of jars is added until all the room is taken up. There is nothing more to do for 90 days except to wait. The result: It isn't the acid direct, but its fumes and the perforations of which I spoke permit the fumes to get at all parts of the little cake.

At the end of ninety days the lead should be corroded. The "buckles" are then bleached out until they look like crackers and will crumble to pieces at the touch. The same acid which has befriended us in the corrosion is now our worst enemy and must be got rid of. Haven't you rubbed your hands along the clapboards of a house and found it smeared with a white powder? Well, that house was painted with lead from which the acetic acid was not thoroughly washed out, and the paint "killed" and powdered up.

WASHING THE LEAD.

The jars are taken to the washing-troughs and their contents emptied in,

and the water is then let in and the batch is sluiced until we have a mixture the color of milk and scarcely heavier. After a deal of washing the water is drawn off and the lead is found at the bottom of the troughs. If the acid has been taken out it is shoveled into jars again, and then carried into a hot-air room and left for the water to evaporate. When this has been accomplished the contents of the jars are emptied on copper drying-pans heated by steam. The stuff now looks like ice cream, but soon dries until it is as fine and white as flour. To make paint it simply has to be ground in oil.

Let me ask you if it wasn't a curious discovery? Who would have got the idea into his head as he looked at a bar of lead that it would preserve and beautify the buildings of the world? And the process requires so much time that men must have spent years in experimenting to get the right acid and the proper method of using.

THE MANUFACTURE OF PUTTY.

Now, to prove to you that this white paint was once metal, we'll take this piece of charcoal, dig out a small hole in the centre, and fill the cavity with paint. Now light your coal and put the blowpipe at work, and what is the result? A ragged button of lead! Acid made it paint—fire turns it back to its original state.

The corroder ships to the paint factories by the barrel. At the factories the dry stuff is poured into paint mills, oil added, and the stuff is ground through three different mills before it comes out as you see it in the paint cans. If the paintman is making pure lead he adds nothing. If he so desires, the lead is adulterated while grinding. There is a species of quartz rock called barytes. When this is pulverized it closely resembles lead, and is largely used to adulterate it.

Did you ever call a boy a "putty head"? Well, you did it without knowing anything about putty. Here is where it is made. So many pounds of whiting are placed in this iron basin. So much oil is added, and then the machinery is set in motion. Iron knives keep mixing the stuff up and turning it over and over, and a grindstone, weighing 4,000 pounds and faced with iron, rolls around the basin 20 times a minute. This stone is called a "chaser," and it mashes the putty down as fast as the knives and linseed oil, although a small quantity of cottonseed oil is used in every grade to prevent it drying too soon. The next grade contains about half marble dust, and the poorest grade, which is good enough for all outdoor work, is five-sevenths marble dust to two of whiting.

TIRES FOR THE COMING SEASON.

One of the most important features of a good bicycle is the tire, and the dealer will find it to his advantage to study up on tires, for they are bound to have a bearing on the situation the coming year. In the days that are past the customer was satisfied to take any old thing in the tire line that was fitted to his wheel. In consequence, the makers, or at least some of them, fell into the habit of passing off any kind of junk that went by the name of tires. But the latter day buyer is becoming discriminating, and will not take anything that is shoved out for him. He wants the best that he can get for the price he pays for his wheel, and will see that he gets it. There has been quite a change in tires of late, and the double tube is going to have its innings another season, if indications count for anything. Of course, the single tube will retain all of its popularity, but the double tube will be used more extensively. The clincher style of double tubes will, no doubt, have the call in this particular line, for, with the ease of removal to recommend it, it will be right in the front ranks. The single tube is easy to repair, but those who go in for road riding to any great extent, seem to think that the other kind meets their requirements. Corrugated treads, too, will be quite popular.—Iron and Steel.

MINERALS IN CAPE BRETON.

A Bateston, C.B., dispatch says: "A few days ago, several prospectors were trying to lease McCuish's lake. The bed of the lake abounds in mineral substances, which is extensively used to polish silver. The intention of the prospectors is to drain the lake to get the mineral. A short distance from the lake there is a deep incline, making the draining of the lake an easy task. The outlet is through Alexander McCrury's farm. He controls the whole of the enterprise until the prospectors decide to pay him for damages done his lands in draining the lake. If it amounts to anything, it will be a little Klondyke for Mr. McCrury."

WIRE NAILS TACKS WIRE

Prompt Shipments

The ONTARIO TACK CO.
Limited
HAMILTON, ONT.

THE TRADING STAMP BUSINESS IN VERMONT.

THE trading stamp business, which was instituted in this State some time ago, after the promoters of the scheme had been driven out of several other States, has terminated, and the men who have been drawing on the merchants for a fat and easy living are compelled once more to move on. It is one of the mysteries of the nineteenth century that the American people will insist on being humbugged. Anyone with a reasonable amount of sense and a fair faculty for figuring, could see that someone had to pay for the "prizes," and when it was proven an acknowledged fact that the consumer must, in the end, settle the bills, the question is: Why did the purchasers barter for such truck? Now that these preying plunderers have had their death-knell sounded by the Legislature, and knowing that they have only a short time in which to feed on the purse of the gullible purchasers, they are more anxious to make their exit than they are to give the people what the latter think belongs to them. Up in Barre, the managers of the trading stamp store pulled stakes last week, and got as far as the depot with their goods, when they were brought to a halt by the sheriff, who attached them in behalf of several patrons of the concern who held stamp books. Burlington people had a similar experience, as did other places. The fact that these men would leave these cities without paying their patrons their just obligations is fresh evidence that they were after money and thwarted in their plans by the Legislature that they would not hesitate to resort to a method that may be said to fairly well mirror their integrity. It is to the credit of Montpelier that she has not harbored these schemes within her borders. Itinerant pedlars and sellers of quack medicines and nostrums of various sorts, with the trading stamp gang, come under the same head and they are a cankerous curse to any community. Like leeches, they are always taking but never returning, and their persistency only tends to intensify the gullibility of their subjects, at the purse strings of whom they nag with an ever increasing boldness. The Legislature of 1898 should be held in grateful remembrance by a long-suffering public for this one deed—the wiping out of the stamp business—if for nothing more.—Montpelier Daily Journal.

BAD AS WITCHCRAFT DELUSION.

New England is cursed with a trading-stamp craze, as obstinate in its way as the witchcraft delusion. But the crisis is past, sober sense is returning, and the grocers there may be happy yet, you bet! A symptom of the severity of the disease is the

THE SECRET

The immense success of

THE SHERWIN-WILLIAMS PAINTS

is due to the superior quality of material used, and the skill and accuracy with which they are manufactured.

THE SHERWIN-WILLIAMS Co.

Paint and Varnish Makers

Walter H. Cottingham,
Managing Director,
Canadian Department.

CLEVELAND
CHICAGO
NEW YORK
MONTREAL
BOSTON
TORONTO

heartiness of the epithets that are applied to the stamps by members of the association in discussing the wane of the evil. The Biddeford (Me.) Board of Trade has denounced the stamps as detrimental to business men.—Merchants' Review.

A NEW HARDWARE FIRM.

The Canada Hardware Co., Limited, is the name of a new hardware firm just commencing business, at No. 12 DeBresoles street, Montreal. The members of the firm are J. L. Lafleur, president; Eugene Panneton, secretary-treasurer; A. M. St. Arnaud, vice-president and manager.

They are all hardwaremen. Mr. St. Arnaud, the manager, has been a hardware traveler for 13 years, the past five years being with Caverhill & Learmont.

They will deal in general shelf and heavy hardware, and will be ready to fill orders about Jan. 15, when their travelers will be on the road.

Mr. J. J. Roberts, the Winnipeg representative of HARDWARE AND METAL, has been elected a school trustee in Winnipeg by a large majority over the other candidates. We extend him our heartiest congratulations.

FROSTED WINDOWS.

A TRIMMER of wide experience, in talking to a representative of The Drygoodsman about the nuisance, said; "I have found that boring holes at the base of the window is not always successful, although I know that many rely on this scheme, and seem to think it infallible. In times of intense cold the least bit of moisture in the air will congeal on the glass, and these holes, although they keep the temperature near that on the outside, let in moisture from the street. I gave this a good test last winter. When the cold weather first came I kept the ventilation holes open and the windows had a bad case of frost, completely shutting off from view the goods on display. I was determined to let the public see what I had to show them, however, and so I scraped the windows clean, washing them with alcohol afterward. Then I closed the ventilation holes and allowed neither heat nor air to enter from the interior of the store, and I succeeded in keeping the windows almost entirely free from frost. The temperature between the outside and the windows was not over 10 degrees. It is quite a job to clean windows this way, but it was necessary in this instance."—The Drygoodsman.

PROMPT PAYMENT.

G. B. PULIFER.

IN these days of small profits and close competition it is surprising to note the apparent lack of regard shown by the average retailer for the payment of his obligations as they mature.

It is not unreasonable to presume that the majority of the retail merchants have a thorough understanding as to the terms upon which they make their purchases, and yet, with that knowledge they fail to adopt some simple and systematic method by which they would know each day what payments they would have to make. They seem to prefer to depend upon their general knowledge of what they owe and what is or will be due. A small yearly diary or tickler could be obtained at a trifling expense, and when bills are checked in as ready for payment they could be entered upon the proper date for discounting or for payment at maturity.

Notes or other items, such as taxes, interest, rents, etc., could also be entered therein. By this method, a merchant would always have before him his maturing obligations, and could make his calculations accordingly. Many jobbers and manufacturers would do well, also, to inaugurate and keep up such a system. The disregard of maturing bills and notes payable is not confined altogether to the retailers. There is, perhaps, some excuse in this respect for the retailer, on account of his lack of help and personal devotion to the other details of his business, and because, in many instances, he is bookkeeper, collector, manager, and everything else; but, for such neglect on the part of a jobber and manufacturer with the necessary help at their command, there is no excuse whatever.

Merchants have their own ideas as to how they wish to pay their bills, but they have no right to say when they shall pay them. The terms of sale govern that feature of business.

Very few houses take an arbitrary stand and refuse extension to a worthy customer, when asked for in a proper manner, but the idea is rapidly growing in the business world that the customer who persistently steals extra time and ignores the creditors' rights is entitled to no great consideration. The retailer who permits his bills to go unpaid and who fails to arrange in a business-like manner for the extra time wanted is "standing in his own light" and is helping to compile a record of experience against himself that will work him more injury, from a credit standpoint, than by any other course of action short of downright dishonesty.

Be just and punctual, be considerate and frank, and be systematic regarding details.

Always remember that your creditors are your friends and will more than reciprocate honest, frank and businesslike treatment from you in all matters of daily business life.

MODEST STORE STORIES.

AN exchange has the following: "A number of men were sitting close to the hot stove in the Mercantile company's store one night last week listening to Jake Fink tell how to build fireproof cellars, when the question of strong winds came up. One of the crowd said that he thought Crow's Nest lake was the windiest spot he ever saw. Another, who had spent some time in 'bleeding Kansas,' told of the wind blowing the grain off the ears of corn in that State. Just then a chap who had said nothing, but listened quietly, asked: 'Say, have any of you fellows ever been to Macleod? Talk about wind! Well, you can get it there. I spent a week there once, and couldn't leave town till I paid a tailor \$1.25 for sewing on every button on my clothes. Blow? Why, you never saw anything like it. Bob Evans had a sign painted on the west side of his hotel. Next evening it had disappeared. The wind had blown the paint right off the boards. Last fall they had a very severe wind storm that blew all the barbs off the wire fence around the barracks. It is im-

possible to wear whiskers, unless you remain indoors all the time. The ladies use railroad spikes for weights at the bottom of their skirts, and no man with false teeth dares to open his mouth while going from town to the station. A pet dog belonging to Editor Wood, of The Gazette, was blown up against the water tank about 10 o'clock in the morning. It was impossible to reach him and he remained until sundown, when the wind died out and he dropped to the ground. It is a common thing for the hair to be blown off the cattle until they look like a herd of large Mexican dogs. These statements are facts, and if anyone doubts them, ask Barnhardt. Well, good night, gentlemen,' and the man from Macleod disappeared through the front door into the cold, cheerless street. There was silence until Jake Fink recovered his breath and murmured in a weak voice, 'Let's visit the cellar.' Another second and every chair was empty.'

DEVOTION IS APPRECIATED.

A young man who devotes himself heart and soul to his employer's interest will soon find that his devotion is appreciated, for, even if his employer should fail to reward it, some one else will surely observe it, and the way to promotion will soon open before him. There are vacant places in the higher walks of every business and profession for the young men who follow this course.—C. A. Pillsbury.

GILBERTSON'S

"COMET"

BRAND

**Patent Flattened
Galvanized
Steel Sheets**

made of superior Siemens Steel, by the most experienced workmen; smooth, well galvanized and carefully selected; will double seam either way of grain; are fully equal in weight and count of sheets per ton, as well as in quality and finish, to the best known brands imported, and cost less.

GILBERTSONS are the only galvanizers who not only roll all their Steel Sheets, but manufacture all their own Steel in their own Steel Works, under the personal supervision of the members of the firm. They are thus able to put a soft and regular quality of steel into their sheets, which is impossible for galvanizers who buy their steel in the open market.

"Gilbertson's" Tinplates

made of best Siemens Steel, are soft, extra well coated, noted for deep stamping qualities, and for canners' use have no equals. Cost no more than brands not nearly as well coated, or of equal quality.

BRANDS: "Gilbertson's," "Parsons," "Ponterdawe,"
"Lincoln," "Comet," "Regina," "Gwyned."

GILBERTSON'S "REGINA" TERNEPLATES

also Imitation Russia Sheets and best Siemens Steel Sheets, cold rolled, cold rolled and close annealed, also pickled.

If your jobber does not keep these brands address,

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WE thank our customers for the
LIBERAL PATRONAGE
extended us during the year, and
wish one and all. . . .

A PROSPEROUS
NEW YEAR

H. S. HOWLAND, SONS & CO.

WHOLESALE
HARDWARE
MERCHANTS

TORONTO.

MANITOBA MARKETS.

WINNIPEG, Dec. 26, 1898.

ABSOLUTELY no change in this market for the week. Trade is now slow, as holiday is over and there will be little movement of any kind until after the new year.

Prices same as last week:

Barb wire, 100 lb.	\$2 40
Plain twist	2 40
Wire and staples.	2 90
Oiled annealed wire.	10 2 80
"	11 2 90
"	12 2 75
"	13 2 90
"	14 3 00
"	15 3 50
Wire nails, 30 to 60 dy, keg.	2 35
" 16 and 20	2 40
" 10	2 45
" 8	2 50
" 6	2 65
" 4	2 75
" 3	3 00
Cut nails, 50 and 60 dy.	2 15
" 20 to 40	2 20
" 10 to 16	2 25
" 8	2 30
" 6	2 35
" 4	2 60
" 3	2 85
" 3 fine	3 15
Horse nails, 45 per cent. discount.	
Horseshoes, iron, light, medium and heavy, keg.	4 00
Snow shoes.	4 25
Steel, light.	4 00
" extra light.	5 75
Bar and band iron, \$2.05 basis.	
Swedish iron, \$5 basis.	
Tool steel, Black Diamond, 100 lbs.	8 00
Jessop	12 50
Sheet iron, black, 8 to 24 gauge, 100 lbs.	3 50
26 gauge.	3 75
28 gauge.	4 00
Galvanized American, 16 to 24 gauge.	4 00
26 gauge.	4 25
28 gauge.	4 50
Genuine Russian, lb.	12
Imitation	8
Tinned, 24 gauge, 100 lbs.	7 25
26 gauge	7 50
28 gauge	8 50
Tin plate, IC charcoal, 20 x 28, box	8 50
" IX	10 50
" IXX	12 50
Canada plate, 18 x 21 and 18 x 24	3 00
Sheet zinc, cask lots, 100 lbs.	7 00
Broken lots.	7 50
Pig lead, 100 lbs.	4 25
Wrought pipe, black, 1/4 inch.	2 50
" 1/2 inch.	2 75
" 3/4 inch.	3 00
" 1 inch.	4 00
" 1 1/4 inch.	5 00
" 1 1/2 inch.	7 00
" 2 inch.	8 50
" Over 2 inch.	11 50
Rope, sisal, 7-16 and larger.	65 p.c.
" 3/4 and 5-16	11 50
Manilla, 7-16 and larger	12 50
" 3/4	13 00
" 1/4 and 5-16	13 50
Cotton, all sizes, lb.	15
Axes, per box	\$5.50 to 8 00
Screws, flat head, iron	85 p.c.
Round	77 1/2 p.c.
Flat " brass.	80 p.c.
Round "	72 p.c.
Bolts, carriage	60 p.c.
Machine.	60 p.c.
Tire.	55 p.c.
Sleigh shoe.	65 p.c.
Rivets, iron.	50 p.c.
Copper, No. 8, lb.	28c.
Spades and shovels.	40 p.c.
Harvest tools.	60 to 60-10 p.c.
Axe handles, turned, s. g. hickory, doz.	\$2 50
No. 1.	1 50
No. 2.	1 25
Octagon extra.	1 65
No. 1.	1 25
Linseed oil, raw, per gal.	58
" boiled	60

Ammunition, cartridges, Dominion R.F.	50	p.c.
Dominion, C.F., pistol.	25	p.c.
" military.	15	p.c.
American R.F.	35	p.c.
C.F. pistol.	5	p.c.
C.F. military.		Net.
Loaded shells, Robin Hood, M.	\$20 00	
Eley's 12 gauge, M.	16 00	
American, M.	16 25	
Shot, Ordinary, per 100 lbs.	6 25	
Chilled	6 75	
Powder, F.F., keg.	4 75	
F.F.G.	5 00	
Robin Hood	10 00	
Tinware, pressed.	.70 and 30	p.c.
Granite ware, according to quality.	50 to 60	p.c.

BUSINESS CHANGES.

DIFFICULTIES, ASSIGNMENTS, COMPROMISES.

The Ottawa Steel Range Co., Ottawa, Ont., is offering 50c. on the dollar.

George Gilchrist, tinsmith, Bailieboro, Ont., has assigned to Chas. Mould.

Craig, McArthur & Co., wholesale metal dealers, etc., Toronto, have assigned to Hy. Barber, Toronto.

Kent & Turcotte have been appointed curators of A. Pallascio, wholesale and retail hardware dealers, Montreal.

Joseph Letendre, of Letendre & Rousseau, general merchants, St. David, Que., has compromised at 70c. on the dollar.

John D. Thompson, general merchant, Buckingham, Que., has assigned, and a meeting of his creditors will be held on Jan. 4.

PARTNERSHIPS FORMED AND DISSOLVED.

Bilodeau & Beaulieu, general merchants, St. Marie, Que., have dissolved.

SALES MADE AND PENDING.

Wm. Knight wagonmaker and undertaker, Teston, Ont., is advertising his business for sale.

The stock of L. L. Richards, general merchant, Nicolet, Que., has been sold at 32 1/4 c. on the dollar.

The assets of James Ahern & Co., general merchants, Newport, Que., are advertised for sale on the 30th inst.

The stock, etc., of the estate of J. A. Otton, stove and tinware dealer, Barrie, Ont., is advertised for sale by auction on Jan. 5.

CHANGES.

C. W. Maloan, hardware dealer, Carberry, Man., has sold out to — Shannon.

R. Nichols, general merchant, Melbourne, Ont., has sold out to Norsworthy & McGugan.

DEATHS.

Jos. Vachon, general merchant, St. Victor de Tring, Que., is dead.

Henry Harrison, general merchant, Moulinette, Ont., is dead.

FIRES.

Fralick & Sinclair, carriagemakers, etc., Toronto, have suffered damage by fire.

Emery and Hardware Specialties

Hamilton, Ont. COOKE HARDWARE CO.

Covert Mfg. Co.

West Troy, N.Y.

DERBY SNAP

Canadian Patent, April 3 1897.

With Plated Rust Proof and Guarded Spring. "The Latest and Best." Sold by all Leading Jobbers in Canada.

PRIEST'S CLIPPERS

Largest Variety, Toilet, Hand, Electric Power ARE THE BEST. Highest Quality Grooming and Sheep-Shearing Machines. WE MAKE THEM. SEND FOR CATALOGUE TO American Shearer Mfg. Co., Nashua, N.H., USA

COATES' CLIPPERS

HAND AND POWER, easiest running made. Manufactured in every style and variety. Our power machines will meet every requirement. Our flexible shafts are tempered steel, and will not heat. 1899 catalogue ready.

Coates Clipper Mfg. Co. WORCESTER, MASS.

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Time Varnish & Japan
Manufacturers
Montreal
Price Lists on application

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BROWN & CO.

Manufacturers of

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Heavy Hardware and Metal Broker
Room 220 1/2 Board of Trade, MONTREAL.

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BRASS GOODS—Gunn Castor Co., Limited, Birmingham, Eng.

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GUARANTEED PURE.

Pharmaceutical, Tasteless, Cold Drawn
First Pressure
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In cases of 2 tins and in barrels. Stocked by all Hardware, Oil and Color men.

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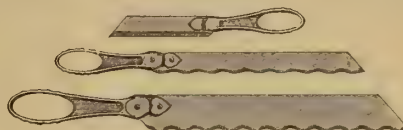
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No. 1 Bread Knife Set.

One each, Bread, Cake and Paring Knife, malleable handles firmly riveted to steel blades, will cut hot or cold bread without crumbs. Each set in paper box.

PAT. AUG. 15, 1893



Combined Grater and Slaw Cutter.

The only one; slicer and grater are detachable; slicer sheet made of Apollo galvanized iron with steel cutting blades. It will slice cabbage apples, potatoes, cucumbers, onions, turnips, beets, and everything in the vegetable line. It is a time and labor saver; is used in the kitchen every day.



Famous Parer and Slicer.

Polished beech handle, nickel plated steel blade and ferrule, takes off an even peel, easily sharpened and cleaned. The best paring knife for potatoes, apples, pears, turnips, quinces and firm peaches. Write for our catalogue.

Sole Canadian Agents, Squire, Watson & Co., Montreal, Canada; Chas. E. Santo, London, Canada.

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We are the Oldest and Largest Manufacturers of

SCREWS and BICYCLE PARTS

in the Dominion. You know what that means, that if you want proper goods at proper prices you should write us, which please do if interested.

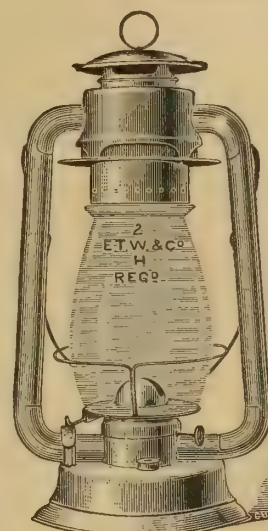
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Milk Can
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ALL KINDS AND FOR ALL PURPOSES.

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"FIRMUS" Transmission Rope from the finest quality Manilla hemp obtainable. Orders will not be accepted for second quality or "mixed" goods.

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Montreal, Que.

HONORS FOR MR. COTTINGHAM.

IT is always gratifying to **HARDWARE AND METAL** to see Canadians climbing the ladder of success, even if in the climbing the fortunate one is attracted to a foreign country. It is, therefore, with pleasure that this journal announces the appointment of Mr. Walter H. Cottingham as general-manager of The Sherwin-Williams Co., but the fact that it will necessitate his removal to Cleveland, O., is to be regretted.

Mr. Cottingham has had a career which should stimulate every young Canadian to effort. He was born at Omemee, Ont., in 1866, and is not, therefore, 33 years old. His father was the late W. Cottingham, mill owner and merchant.

The subject of this sketch began commercial life when 15 years of age, being employed in the hardware store of McKee & Davidson, Peterboro', Ont. One year afterwards, in 1882, he went to Montreal, where, for three months, he was in a wholesale dry goods warehouse. His next place of employment was in the warehouse of James H. Douglas, Montreal, commission merchant in hardware and paints, in whose employ he remained until 1887.

It was this year that saw him branch out on his own account. His place of business was 56 St. Peter street, Montreal, making gold paint and other specialties. He only had one assistant, and he a boy. But Mr. Cottingham was energetic, and his business grew rapidly, until it had soon developed into a general jobbing paint and varnish concern.

By-and-bye, his premises became too small, and, in 1890, more extensive ones were taken at 1822 Notre Dame street. Then travelers were appointed, and business extended from the Atlantic to the Pacific.

In 1895, Mr. Cottingham began manufacturing, being joined by The Sherwin-Williams Co., Cleveland. The business was then known as The Walter H. Cottingham Co., Limited, for paints, and The Cottingham Varnish Co., Limited, for varnishes. Two factories were built, and have since both been enlarged. In 1896, The Sherwin-Williams Co. made an offer to amalgamate the whole business with theirs, and made Mr. Cottingham a director of the entire concern and manager of the Canadian department. Since that date, or, in the past two years, the business has been more than doubled. A branch is being opened at Toronto, and stocks will be carried in Winnipeg, Man., and Vancouver, B.C.

It is, no doubt, the rapid development of the Canadian business that has been the means of the appointment of Mr. Cottingham to the general management of The Sherwin-Williams Co.

The Sherwin-Williams Co. are, without doubt, the largest manufacturers of paints in the world. They have factories at Cleveland and Chicago, their own houses at New York, Boston and Chicago, and many auxiliary interests in different parts of the country.

Mr. Cottingham deserves his success. Combined with a penchant for organization is a spirit of enterprise which enables him to do things well and to take a chance when it is possible of being turned to good account.

Mr. Cottingham will continue to direct the



WALTER H. COTTINGHAM.

management of the Canadian department, but, as has already been said, his headquarters will be in Cleveland.

NEW INVENTIONS.

Below will be found a list of new patents recently granted by the Canadian Government, the patents being secured through Marion & Marion, solicitors of patents, New York Life building, Montreal, and reported by them for the benefit of **HARDWARE AND METAL'S** readers: Nos. 61957, C. B. Jutras, La Baie du Febvre, P.Q., fertilizer distributor; 61958, Callix Vinette, Montreal, P.Q., shoe; 61965, Norman McLeod, Merrickville, Ont., adjustable shoe pattern; 62057, Louis Gervais, Fernetville, P.Q.,

carriage propelling mechanisms; 62085, Solomon M. Cutter, Montreal, P.Q., cash register and advertising system; 62097, Joseph Grace, Montreal, P.Q., step ladder; 62115, Alex. Lefebvre and T. H. Boyle, Montreal, P.Q., medical compound; 61444, J. W. Brethour and G. Watt, Sidney, B.C., door fastener.

TRADE CHAT.

Murray & Ryan, carriagemakers, Cookshire, Ont., have dissolved partnership. R. Ryan will continue the business.

Shotton & Mead, stove dealers, Kamloops, B.C., have dissolved; Mead retiring and D. McClughan admitted, under the style of Shotton & McClughan.

M. Weichel & Son's hardware store, at Waterloo, Ont., will henceforth be heated by furnace, a fine No. 6 "Garnet" being placed there last week.

The creditors of The Ottawa Steel Range Co. met on Monday last week. R. E. Byrne, on behalf of the company, made an offer of 50c. on the dollar. The offer was accepted. J. F. Smellie and J. D. Graham were appointed inspectors, and T. W. McDermott permanent assignee.

The committee appointed by the Lindsay, Ont., council, to consider the offer of Messrs. Rider & Kitchener, to establish a veneer factory, if granted a bonus, has recommended the Lindsay Council to offer the firm exemption from taxation for 10 years, furnish fire protection, and give a bonus of \$2,000 towards site and buildings, the \$2,000 to be secured by first or second mortgage, on condition that at least 25 hands be employed throughout the year.

John A. Graham has rented the machine shop and purchased the stock of H. and C. Johnston, Tilbury, Ont., and intends going extensively into the agricultural implement and carriage repairing business.

Robert Lawton has started a carriage painting and sign writing business in Renfrew.

The Wood Acetylene Gas Generator Co., London, Ont., has been dissolved and business discontinued.

The McCormick Manufacturing Co., manufacturers of agricultural implements, Chicago, are looking for a suitable site for a branch factory in Canada.

James Nelson, the Windsor, Ont., hardware merchant, whose death was recorded last week, was one of the most successful merchants in Windsor. He commenced business there in 1869, at the age of 23, and, from the first, made it a progressive and profitable establishment.

HOW ALUMINUM IS MADE.

THE oxide, which is obtained from beauxite quarried by the company in Georgia, is fused with cryolite in pots of boiler iron lined with carbon. An electric current is passed through these long series of pots, and the result is precisely similar to what it was when Hall sent the seven-cell Grove battery current through his two-inch crucible in Oberlin—the melted aluminum collects on the carbon negative electrode, and, as already stated, the quantity thus collected daily is measured in tons. Continually, night and day, without cessation, this operation proceeds. The

raw material is fed in as required; the product is removed and the carbon is renewed. The waste of the process is said to be so slight as hardly to be an element of calculation. Then comes the casting into ingots and bars, the rolling into rods and wire. Previous to the opening of the Pittsburg works, practically no pure metal was made in the United States. The market price of what was imported had not been lower than \$5 a pound in New York. The American manufacturers were soon able to place the pure metal on the market at fifty cents a pound, and an important reduction from this price has lately

been made. Besides the original works near Pittsburg, which have been operated continuously since November, 1888, two plants at Niagara Falls are operated by the same company, and the total productive capacity of the three plants is more than 10,000 lb. of aluminum a day. This output nearly equals the combined daily capacity of all the aluminum works of Europe together.—Review of Reviews.

The merchants of Victoria and Vancouver have received within two weeks orders for about \$60,000 for the Skagway and White Pass Railway Co.



EMERY

Cloth and Paper.
Glass and Flint Paper.
"Atlas" Brand

"FLORA" Knife Polish, in 3d, 6d.
and 1/ tins

Ground, Washed and Flour.

WHEELS of highest quality
for general and
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DAVID MAXWELL & SONS,

ST. MARYS, Ont., Can.



Lawn Mowers.

High and Low Wheel, from 12 to 20 inch sizes. Cold rolled steel shafting. Crucible steel knives and cutting plate. First-class workmanship in every respect.

Churns.

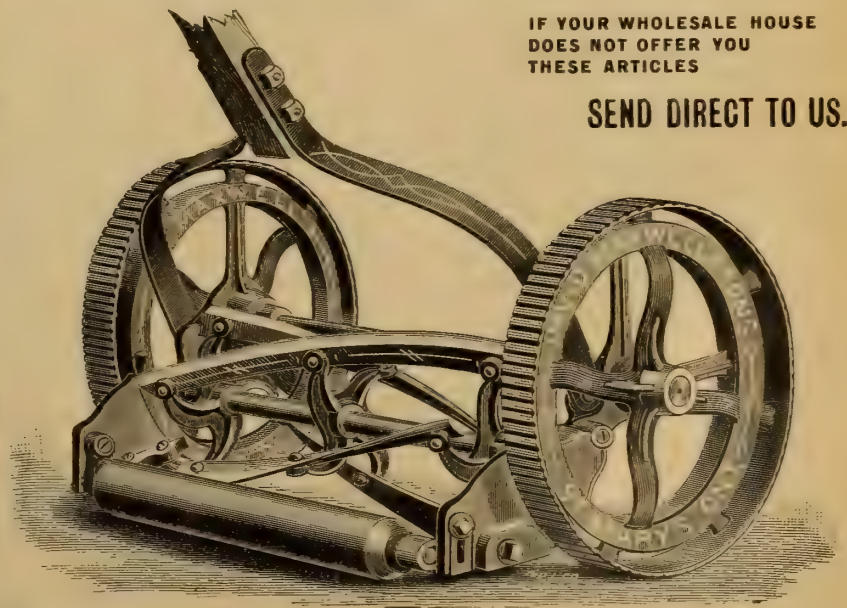
PATENTED FEATURES: "Improved Steel Galvanized Stand," "Roller Bearings" and "Foot and Hand Lever Drive."

Wheelbarrows.

ALL SIZES.

IF YOUR WHOLESALE HOUSE
DOES NOT OFFER YOU
THESE ARTICLES

SEND DIRECT TO US.



MARKETS AND MARKET NOTES

QUEBEC MARKETS.

MONTREAL, Dec. 30, 1898.

HARDWARE.

THE general hardware market has ruled much quieter during the past week, but no one expects activity in a wholesale way during holiday week. The interesting fact of the situation at present is the general strength of raw material of all sorts, both in Great Britain and the United States, and the possibility of it leading to higher values than those now ruling in several lines of finished material. In fact, some makers have withdrawn quotations on plain wire and wire nails, owing to this circumstance, but their action has not as yet affected the jobbing range here.

BARB WIRE—Business continues quiet, and prices are unchanged at \$2 f. o. b. Montreal.

PLAIN WIRE—Some makers have withdrawn prices on wire, but jobbers here have not announced any change. Business is quiet and discounts are 37½ per cent. on oiled and annealed, and 30 per cent. on galvanized.

WIRE NAILS—The steady advance in raw material has led to the withdrawal of prices by some makers, but jobbers are still executing orders at \$1.70 to \$1.75, f.o.b. Montreal. Demand quieter this week.

CUT NAILS—There has been little to report this week, business ruling dull, and values largely nominal at \$1.75 f.o.b. Montreal, Toronto, Hamilton and London.

HORSE NAILS—A few orders keep coming in for these, but business has shrunk quite sensibly this week. Discounts are 50 per cent. on Standard, and 50 and 20 on Acadia brand.

HORSESHOES—Trade has been lighter this week. We quote as follows: Iron shoes, light and medium pattern, \$3.15; snow shoes, \$3.40; steel shoes, \$4.50, and new light pattern, all sizes, \$3.35; toe weight, \$5.50.

SCREWS—Business in these, while still fair, is of smaller dimensions. Discounts are as follows: Flat head bright 87½; round head do., 80; flat head, brass, 82½; round head, brass, 75. Machine screws, iron and brass, flat head, discount

30 per cent.; round head, 25 per cent.; coach screws, 75.

BOLTS—The same can be said of these. Discounts are as follows: Carriage bolts, ¼ to 5-16, 70 per cent.; ¾ and up, 60 and 10; machine bolts, ¼ and 5-16, 70 per cent., and ¾ and up, 65 and 10; stove bolts, 70 and 5; tire bolts, 70 and 5, and sleighshoe bolts, 80 per cent.

RIVETS—A fair trade is noted, with discounts unchanged, 65 per cent. on black and tinned and 45 per cent. on copper.

CORDAGE—The feeling in cordage continues easy and prices here are unsettled. Some jobbers are still asking 10¼c. for Sisal and 11c. for Manilla, but, as others quote considerably below these figures, the market is difficult to report. However, we quote the following: Sisal, 7-16 and up, 9¾ to 10¼c., and Manilla 10½ to 11½c., according to quality; smaller sizes, 1c. advance on this range.

CHURNS—There is a fair trade noted for forward account in these.

CLOTHES WRINGERS—Orders for these

TO OUR MANY PATRONS.

ALL our customers now have a
MERRY laugh of satisfaction at their excellent
CHRISTMAS trade in Famous Enamelled Wares
AND "everything for the tinshop."

A year, such as the past, for
HAPPY business relations between you
AND ourselves, we are very thankful for. Wishing you a
PROSPEROUS business for 1899, and trusting, that with our
NEW goods, we may have your liberal patronage from
YEAR to year, as we have had in the past.

A good resolution for 1899:

ORDER FROM McCLARY'S, WHO SHIP ORDERS QUICK.

The McClary Manufacturing Company

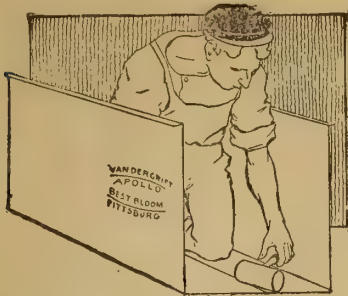
LONDON

TORONTO

MONTREAL

WINNIPEG

VANCOUVER



Whatever you want in galvanized iron, you get in Apollo.

And costs no more than the common makes.

Apollo Iron and Steel Company
Pittsburgh

**Fire Bricks and Fire Clay
Boiler Seating Blocks
Gas Retorts
Stove Linings and
Grate Backs
Portland Cements**

F. HYDE & CO.

31 Wellington street, MONTREAL
Importers and Dealers.

Abbott & Co.

FACTORIES

...MONTREAL

CUT NAILS

Clinch and Pressed Nails,
Horse Shoes (Steel and
Iron), Railway and Pressed
Spikes, Mine and Wharf
Spikes, Drift Bolts, Wash-
ers (Steel and Iron).

CANADA IRON FURNACE CO.,

Manufacturers of Limited

CHARCOAL PIG IRON

MONTREAL.

BRAND "C.I.F." THREE RIVERS

PLANTS AT

Radnor Forges, Que.
Lac a lac Tortue.

Three Rivers.
Grand Piles.

Geo. E. Drummond,

Managing-Director and Treasurer

have been fewer during the past week, but prices are steady at \$29 to \$30 as to brand.

BUILDING PAPER—There is little to report in building paper. Prices are unchanged.

HINGES—Steady, as follows: 6 to 12 in., \$3.50 per 100 lb.; 14 inch, \$2.50; screen door, \$6.50 per gross, and T and strap, 70 and 10 per cent. off the list.

CUTLERY—Demand has been confined this week to a few small orders.

SPORTING GOODS—Without much life, but orders for ammunition are still noted.

SKATES—These have been asked for in only a small way during the past week.

SLEIGH BELLS—Business in these has been checked by the delay in procuring supplies.

CEMENT—Demand is quiet, and prices are nominal. We quote ex store: English, \$2.35 to \$2.45; German, \$2.50 to \$2.60, and Belgian, \$1.90 to \$2.10.

FIREBRICKS—Unchanged at \$18.50 to \$24, ex store.

METALS.

The heavy iron and metal market generally is steady, and the tendency generally, outside, with very few exceptions, is in the direction of a higher level of values.

PIG IRON—There is a much firmer feeling in pig iron, in sympathy with the strength outside, there being an advance of 25 to 50c. per ton in the United States. No. 1 Summerlee is held firm at \$18 to \$18.50 for round lots and No. 1 Hamilton at \$15 to \$15.50. We quote: No. 1 Hamilton, \$15 to \$15.50; No. 2, \$14.75; Ferrona, \$14.75 for No. 2, and \$15.50 for No. 1, and Summerlee and equal brands, \$18.50 to \$19 ex yard.

BAR IRON—It is possible that a round lot could be had for less money, but for any ordinary quantity \$1.35 to \$1.40 is the inside figure.

HOOPS AND BANDS—Quiet and unchanged at \$1.75 to \$2.

SHEET STEEL—Held much firmer outside and prices here are stiffer. We quote as follows: 14 gauge, \$2.40 per 100 lb.; 16 gauge, \$2.50 18 to 20, \$2.30; 22 to 24, \$2.45 26, \$2.55, and 28, \$2.80.

SHEET IRON—Prices are more firmly held, though demand is light. We quote: \$2.15 on 10 to 16 gauge; \$1.90 on 18 to 20 gauge; \$2.10 on 22 to 24 gauge; \$2.20 on 26 gauge, and \$2.25 on 28 gauge.

GALVANIZED IRON—Business is quiet from stock, but quite a few orders are being placed for import. We quote: "Queen's Head," No. 28, \$4 to \$4.15; and "Comet," No. 28, \$3.75.

INGOT COPPER—This metal has steadily advanced outside, being fully 15c. higher. On spot, therefore, though demand is light, prices are stiff at 13¼ to 13½c.

Iron, Steel and Metals.

Best brands at low prices for import, to wholesale buyers only.

A. C. LESLIE & CO.

MONTREAL

McMULLEN'S

Poultry Netting.

The steel wire in these nettings is galvanized before weaving.

The best ever placed on the market.

The B. Greening Wire Co.
LIMITED

Hamilton, Ontario and Montreal, Que.

ADAM HOPE & CO.

30 JOHN STREET

Hamilton

Offer for Prompt Shipment

CANADA PLATES

ALL BRIGHT, 18 X 24 and 18 X 21
HALF BRIGHT, " "

Galvanized Iron,
Queen's Head and Juniata.

NOVA SCOTIA STEEL CO.

Limited

NEW GLASGOW, N.S.

Manufacturers of

Ferrona Pig Iron

And SIEMENS MARTIN

Open Hearth Steel

SHEET COPPER—Business quiet, and, while our prices are unaltered, values have an upward tendency. We quote: 16-oz., 16c., and 14-oz. 17c.; tinned copper, 16-oz., 18c.; 14-oz., 18½c., and planished 14-oz., 24c.

INGOT TIN—The firm disposition of this metal is fully retained, prices being 5c. dearer outside than they were. Here we quote: Straits, 20c., and Lamb and Flag, 20½c.

PIG LEAD—Values on this have advanced abroad and here. We quote prices 5 to 10c. higher at \$3.90 to \$4.

IRON PIPE—Business quiet and values steady. We quote: Black pipe, ¼-inch, ¾-inch, and 1½-inch, \$2.35; ¾-inch, \$2.80; 1-inch, \$3.85; 1¼-inch, \$5; 1½-inch, \$6.70, and 2-inch, \$9. Galvanized, ½-inch, \$3.95; ¾-inch, \$4.80; 1-inch, \$6.65; 1¼-inch, \$9.15; 1½-inch, \$11.75, and 2-inch, \$16.

LEAD PIPE—Steady and unchanged. We quote ordinary, 7c., and composition waste, 7½c., with 25 per cent. discount.

CANADA PLATE—These are steady and a few good-sized lots have moved at \$2.15, but for smaller lots an advance is asked. We quote: 52's, \$2.15 to \$2; 60's \$2.30; 75's, \$2.35; full polished, \$3; galvanized Canada plate, 52's, \$3.75.

TIN PLATES—Steady and unchanged. We quote as follows: Coke, I.C., \$2.90 to \$3.25; harcoal, I.C., Allaway or Comet brands, \$3.25; do, I. X., \$4.10 to \$4.25; Lincoln, \$3.50; P.D. Crown, I.C., \$3.95; do, I.X., \$4.95; Bradley's, \$5.75.

TERNE PLATE—Firmly held though quiet, at \$6 to \$6.25.

COIL CHAIN—Only a few orders are reported. We quote: ¼-inch, \$4.75 5-16, \$3.50; ¾, \$3.15; 7-16, \$3; ½-inch, \$2.80, and 5/8 up, \$2.80.

SHEET ZINC—Values on this have advanced and are held at 7 to 7½.

SOLDER—This material also is firm at 12½ to 13c.

ANTIMONY—A few cask lots have sold at 9½c., but we quote 9½ to 9¾c.

SPELTER—Firm, with American higher. We quote: Vielle Montagne at \$6 to \$6.25, and American at \$5.75 to \$6.

GLASS.

The glass market is quiet, but firm. We quote as follows: First break, \$1.80; second, \$1.90 per 50 feet; first break per 100 feet, \$3.50; second, \$3.75; third, \$4; fourth, \$4.25; fifth, \$4.75; sixth, \$5.25, and seventh, \$5.75.

PAINTS AND OILS.

No change in prices is reported for the current week, and there is no special feature to record. Manufacturers are busy with preparatory work, and no heavy booking has yet been done. A hopeful feeling is

manifested by all members of the trade regarding the ensuing season, and provision is being made to meet it. Materials are generally higher than a year ago, but we hear of no general advance in paints. Varnish gums are reported very dear for the better sorts, which, with the high price of turpentine, indicates a probable advance in varnishes of the middle and higher grades.

WHITE LEAD—Best brands, Government standard, \$5.62½; No. 1, \$5.25; No. 2, \$4.87½; No. 3, \$4.50.

DRY WHITE LEAD—\$4.75 in casks; kegs, \$5.

RED LEAD—Firm; casks, 4½c.; kegs, 4¾c.; No. 1, casks, 4¾c.; kegs, 4½c.

WHITE ZINC PAINT—Pure, 8c.; No. 1, 7c.; No. 2, 6c.

PUTTY—We quote: Bulk, \$1.65; bladders, in bbls., \$1.80; bladders, in cases, \$1.95; in tins, \$2.05 to \$2.30.

LINSEED OIL—Raw, 50c.; boiled, 53c., five to nine-barrels, 1c. less, ten to nineteen, 2c. less, and twenty-barrel lots open, net cash, plus 2c. for 4 months. Delivered anywhere in Ontario between Montreal and Oshawa at 1c. per gallon advance and freight allowed.

TURPENTINE—One to four barrels, 65c.; two to four-barrel lots, 1c. less, five barrels and over, open terms, the same terms as linseed oil.

MIXED PAINTS—Steady; \$1 to \$1.20 per gallon.

CASTOR OIL—Quiet at 8¼ to 8½c.

SEAL OIL—37 to 40c.

NAVAL STORES—Resins \$2.75 to \$4.50, as to brand; coal tar, \$3 to \$3.50; cotton waste, 4½ to 5½c. for colored, and 6 to 7½c. for white; oakum, 5½ to 6½c., and cotton oakum, 9 to 11c.

PETROLEUM.

There is no change in this market. We quote: "Crown Acme," the new Sarnia oil, is selling at 15½c. in small quantities; Canadian refined, 14c.; American prime white, 17c.; water white, 18c.; Pratt's astral, 19½c.

ASHES.

Continue steady, and we quote: First pots, \$4.40; seconds, \$4.10, and pearls, \$5.25.

HIDES.

Unchanged: Beef hides, No. 1, 9c.; No. 2, 8c., and No. 3, 7c.; Lambskins, 65 to 70c.

MONTREAL NOTES.

R. E. Thorne, formerly of Toronto, has opened an agency for Goodless, Wall & Co., paints and oil, at 704 Craig street, Montreal.

The department stores are gradually introducing moving staircases in their stores, for the convenience of the public. Judging from recent developments they will soon want to build private jails. The big Louvre store in Paris, and a London house of the same character, have put in a moving staircase, and in the latter store about 3,000 persons an hour can be carried to the upper floors.—Merchant's Review.

Oakey's 'WELLINGTON' KNIFE POLISH

The original and only Genuine Preparation for Cleaning Cutlery.

JOHN Oakey & Sons Limited

Manufacturers of Emery, Black Lead, Emery and Glass Cloths and Papers, etc.

Wellington Mills, London, England

REPRESENTATIVE IN CANADA:

JOHN FORMAN, 650 Craig Street
MONTREAL



Force
Lift
Cistern

Pumps

Iron or Brass.
One quality only,
The Best.

PRICES RIGHT.

THE R. McDougall Co., Limited

Galt, Canada.

FOR \$1,000 I can place a 35-line advertisement, every other day for one year, in fourteen of the leading papers in the eleven largest cities in Canada.

This is merely to give an idea of how far money can go in this country.

Never have failures been fewer, never has trade been better, never has there been better prospects for the shrewd advertiser.

I know the papers best suited for different businesses, I know their rates, I am in a position to help all who want to share in Canada's prosperity. Write stating who you want to reach, and I will gladly submit list and figures.

The E. Desbarats Advertising Agency, Montreal.

ONTARIO MARKETS.

TORONTO, Dec. 30, 1898.

HARDWARE.

NATURALLY, very little business is to be expected this week, but, from what can be gathered from the various wholesale and manufacturing concerns, trade is good for this time of the year. All the travelers are in the warehouses getting their samples ready to go out again early in the new year, and orders through these salesmen are, of course, nil. At the same time quite a number of orders are being received for small sorting-up parcels of seasonable goods. There are a few skates going out and also sleigh bells and goods of that description. In cutlery there is a small sorting-up trade to be noted. One of the features of the week is a decided firmer feeling in regard to wire nails, and both manufacturers and jobbers are asking higher prices. A little demand has also sprung up

for bright and coppered wire. The screw business continues good, but in bolts the demand exhibits considerable falling off. There is no improvement in rope. The demand for snow shovels does not amount to very much, while stocks are fairly complete. In consequence of the stronger feeling in wire rods, local jobbers have withdrawn prices on barb wire for importation. Trade in enameled ware since the holiday trade has been satisfied, amounts to very little.

BARB WIRE—There is a decidedly strong feeling, and some of the jobbers, at least, have withdrawn their quotations for importation. Canadian barb wire we quote as follows: Four point, f.o.b. Toronto, \$1.80, and \$1.85 f.o.b. London; two point, \$1.90 f.o.b. Toronto. Terms, 30 days or 2 per cent. 10 days.

WIRE—A little better business is being done in coppered and bright wire. Discounts are as before.

WIRE NAILS—There is a decidedly firmer feeling in regard to wire nails, and jobbers are now asking about 5c. per keg more than they were a week or ten days ago. This stronger feeling is, of course, the result of advances in the price of wire rods in the United States. The idea as to price is now \$1.75 for carload lots and \$1.80 for less quantity, f.o.b. Toronto. At these prices, manufacturers will not, as far as we can learn, book for future delivery, although it is understood a good many efforts have been made to induce them to do so.

CUT NAILS—These are still inactive and without change in price. We quote the base price at \$1.75, Toronto, Hamilton and London, with 5c. per keg rebate.

HORSE NAILS—Trade is fairly good and prices unchanged. Discounts are as follows: Standard, oval head, 50 per cent. Acadia, countersunk head, 50 and 20 per cent.

HORSESHOES—Trade continues fair, with unchanged prices. We quote: Iron shoes, light, medium, and heavy, \$3.25; f.o.b. Toronto, Hamilton, London, Guelph, St. John and Halifax; f.o.b. Montreal, \$3.15.

SCREWS—Trade in this line keeps up well, still being reported good. Discounts are as follows: Flat head bright, 87½ per cent.; round head bright, 80; flat head brass, 82½, and round head brass, 75 per cent. Machine screws, round head, 20 per cent.; flat head, 25 per cent.

BOLTS—The demand for stove bolts, which has been so active for some time, has now been satisfied, and this line, like other lines of bolts, is quiet for the time being. We quote: Common carriage bolts, ¼ to 5-16 inch, 70 per cent.; ditto, ¾ and larger, 60 and 10 per cent.; full square bolts,

"ALWAYS RELIABLE"

Our

"Owl" Brand

Corrugated Iron

For Roofing, Sidings, Ceilings, etc.

The corrugations are pressed one at a time—not rolled—and fit accurately both at ends and sides without waste.

**OUR CRIMPED GALVANIZED IRON
FOR CORNICE WORK**

Is made from the best American or English sheets, and supplied in any size or gauge desired.

Send us your specifications—mentioning quantity and gauge required.

The METALLIC ROOFING CO., Limited

1179 King Street West, TORONTO

70 and 10 per cent.; Norway carriage bolts, 70 and 10 per cent.; tire bolts, 70 and 5 per cent.; machine bolts, 60 and 10 per cent.; coach screws, 70 and 10 per cent.; blank bolts, 60 per cent.; sleigh shoe bolts, 80 per cent.; plough bolts, 60 per cent.; stove bolts, 70 and 5 per cent.; tire bolts, 70 and 5 per cent. Nuts, square, 4¾c.; hexagon, 5¼c.

RIVETS AND BURRS—There is not a great deal doing, although trade is fair for this time of the year. We quote as follows: Carriage section, wagon box rivets, etc., (steel) 65 per cent. off the list; ditto (Norway iron) 60 per cent.; black M rivets, (steel) 65 per cent.; ditto (Norway iron), 60 per cent.; iron burrs, 55 and 5 per cent.; copper rivets, 45 per cent.; bifurcated, with box, \$1.25; coppered iron rivets and burrs, in 5-lb. carton boxes, 30c. per lb.

ROPE—Local business is still dull. In New York sisal rope is quoted ¼c. lower. We quote: Sisal, 7-16 in. and larger, 9¾c.; ¾ in., 10¼c.; ¼ and 5-16 in., 10¾c.; Manilla, 7-16 in. and larger, 10½c.; ¾ in., 11c.; ¼ and 5-16 in., 11½c.; deep sea line, 13½c. for water laid, and 14½c. for machine-made; hemp, 7 to 9c.; lath yarn, 8¾c. Clotheslines, 48 feet, 90c.; 60 feet, \$1.20; 72 feet, \$1.50; 100 feet, \$2.

CHURNS—Trade is fairly active with prices as before. We quote delivered from stock in Ontario: No. 0, \$2.85; No. 1, \$3.05; No. 2, \$3.25; No. 3, \$3.60; No. 4, \$4.35; No. 5, \$5.75.

CLOTHES WRINGERS—Business in this line continues quiet. We quote: "New Leader," "Lightning," \$30 per doz.; "Royal Canadian," with brass corners, \$29.50; "Novelty," \$26; "Royal American," \$26.

BUILDING PAPER—The conditions are much the same as they have been during the last few weeks. We quote as follows: Plain building, 30c. per roll; tarred lining, 40c., according to quality; tarred roofing felt, \$1.45 per 100 lb.

SNOW SHOVELS—A week or so ago, the demand exceeded the supply, and, now that stocks are pretty well complete, the demand does not amount to much. The idea as to price ranges from \$2 to \$2.30 per dozen.

CTTLERY—There is not much doing, business being confined to a few small sorting-up orders.

STOVES—Manufacturers report that there are still a few going out, but business is now practically over for the season, as far as they are concerned. Manufacturers are already beginning to make plans for next year's trade, and it is understood that several new styles are to be on the market.

WARE—The demand for decorated enameled ware for the holiday trade being over, business in enameled ware generally is small indeed. In tinware there is scarcely anything doing.

CEMENT—Business is dull. Prices are steady and unaltered. We quote in barrel lots as follows: Canadian Portland, \$2.65 to \$2.90; English do., \$2.80 to \$3; German, do, \$3; Belgian do., \$2.50; Canadian hydraulic cements, \$1 to \$1.10; calcined plaster, \$1.90; asbestos cement \$2.50 per bbl.

METALS.

Business is naturally quiet at this time in metals, merchants being busy taking stock. Prices, however, are firm with an improved tendency.

PIG IRON—The market is firm, and there is

a little more business being done. We quote: Hamilton iron on track Toronto at \$14 for No 2, and \$13.50 for No. 3. United States pig iron f.o.b. cars Toronto, in bond, as follows: No. 1 foundry, Lake Superior ore, \$12.05 per ton; No. 2 ditto, \$11.80; No. 1 Northern American soft, \$12.05; No. 2 ditto, \$11.80.

BAR IRON—Business is still only moderate. Base price \$1.45 from stock and \$1.35 from factory.

BAND IRON—Still quiet. We quote as follows: \$1.65 to \$1.75 per 100 lb. for Canadian and \$2 for imported.

SHEET STEEL—Business is without change, still being dull. We quote: 12 gauge, \$2.25 per 100 lb.; 16 gauge, \$2.40; 18 to 20, \$2.30 to \$2.40; 22 to 24, \$2.30 to \$2.40; 26, \$2.35 to \$2.45; 28 \$2.45 to \$2.55; "Dead Flat," 14 to 16 gauge, \$3.25 per 100 lbs.; 18 to 20, \$3; 22, \$3.10; 24, \$3.50; 26 gauge, \$3.75.

BLACK IRON—Business is without improvement. We quote: 10 to 12 gauge, \$2.25 to \$2.40 per 100 lb.; 14 to 16 gauge, \$2.60 to \$2.70; 18 to 20 gauge, \$2.30 to \$2.40; 22 to 24 gauge, \$2.25 to \$2.35; 26 gauge, \$2.30 to \$2.40; 28 gauge, \$2.45 to \$2.55.

GALVANIZED IRON—Orders are being booked more freely for forward delivery, but there is very little being done in way of prompt shipment. We quote as follows: Queen's Head, 16 gauge, \$3.75; 18 to 24, \$4; 26 gauge, \$4.25; 28 gauge, \$4.50. American makes, 16 gauge, \$3; 18 to 24, \$3.15; 26 gauge, \$3.40; 28 gauge, \$3.75. "Gordon Crown," 28 gauge, \$4.25; 26 gauge, \$4. In "Queen's Head," less than case lots are quoted 25c. per 100 lb. higher than above figures.

INGOT COPPER—The outlook for the future of the copper market is decidedly favorable, and prices rule firm. Locally, there is a fair demand at 13½ to 14c., which is ½c. higher than we quoted a week ago.

INGOT TIN—There are a few orders going out, but they do not amount to much. The market is a decidedly strong one. Early cables on Wednesday quoted the market in London up £1 is. 3d. from the latest previous figures, and later in the day these figures showed a further appreciation. The New York market is also firm. Local quotations are still 21 to 21½c. per lb. for Lamb and Flag, and 21c., for Straits.

PIG LEAD—There is a little movement, but the quantities wanted are small. Imported is unchanged at 4c.

LEAD PIPE—Quiet and unchanged. We quote: Ordinary pipe, 7c., and composition waste, 7½c., with 25 per cent. discount.

IRON PIPE—Still but little doing. The market is decidedly firm. We quote: Black pipe, per 100 feet, ¼ to ¾ inch, \$2.25 to

\$2.30; ½ inch, \$2.30 to \$2.35; ¾ inch, \$2.80; 1 inch, \$3.95; 1¼ inch, \$5.20; 1½ inch, \$6.75; 2 inch, \$9.10. Galvanized, ½ inch, \$3.95; ¾ inch, \$4.80; 1 inch, \$6.75; 1¼ inch, \$9.15; 1½ inch, \$11.75; 2 inch, \$16.

RANGE BOILERS—Trade is moderate. We quote: Galvanized, 30 gals., \$5.25; 35 gal., \$6; 40 gal., \$7; copper, 30 gal., \$22; 35 gal., \$26; 40 gal., \$30; discount off copper boilers, 25 per cent.

CANADA PLATES—A few odd boxes are going out. We quote: All-bright, \$2.85 to \$3; half-polished, \$2.35; all-dull, \$2.25.

TIN PLATES—Very little doing, although an improvement will be shortly in order.

COIL CHAIN—Quiet. We quote as follows: ¼ in., \$4.65; 5-16 in., \$3.75; ¾ in., \$3.25; 7-16 in., \$3.15; ½ in., \$3.10; ⅝ in., \$2.80; ¾ in., \$2.75.

SHEET ZINC—Dull. We quote 7½c. for cask lots and 7½c. for smaller lots.

ZINC SPelter—Scarcely anything doing. We still quote 5½ to 6c. for imported.

SOLDER—No much doing. We quote: Half-and-half, 13½ to 14c.; standard, 13 to 13½c.; wire, 13c.; wiping, 11½c.

PAINTS AND OILS.

No special features have been developed during the past week, and orders have been of a holiday character. General painting supplies have not been inquired for to any great extent, but, as an offset, some good-sized parcels have been taken by manufacturers of carriages, furniture and other corporations, who may be termed large "consumers." However, it is obvious that this temporary and seasonable lull is only a precursor to a heavy and early spring business, and merchants will do well to look ahead and make up their want-lists. There is much to support the view that trade will be brisk, bright and early, and most of the manufacturers upon whom we have called confirm this anticipation. The price of all staples continue firm. Turpentine is still advancing in the primary markets, and quotations here are 3c. per gallon higher than a week ago. We quote:

WHITE LEAD—Ex Toronto, pure white lead, \$5.75; No. 1, \$5.37½; No. 2, \$5.00; No. 3, \$4.62½; No. 4, \$4.25; dry white lead in casks, \$5.10.

RED LEAD—Genuine, in casks of 560 lb., \$4.75; ditto, No. 1, in casks of 560 lb., \$4.50; genuine, in kegs of 100 lb., \$5; ditto, in kegs of 100 lb., No. 1, \$4.75.

LITHARGE AND ORANGE MINERAL—We quote: Litharge, 6 to 6½c.; orange mineral, 6½ to 7½c.

WHITE ZINC—Genuine, French V.M., in casks, \$5.50 to \$5.75; Lehigh, in casks, \$4.37½ to \$4.50.

PARIS WHITE—We quote 90c.

WHITING—55c. per 100 lb.; 50c. per 100 lb. in 5-barrel lots. Gilders' whiting, 80c.

GUM SHELLAC—In cases, 22c.

PLASTER PARIS—Ordinary, \$1.75 per barrel; New Brunswick, \$2.10 per barrel.

PUMICE STONE—Powdered, \$3 per cwt. in barrels, and 4 to 5c. per lb. in less quantity; lump, 10c. in small lots, and 8c. in barrels.

LIQUID PAINTS—Pure, \$1 per gallon; No. 1 quality, 90c. per gallon.

SEAL OIL—Is quoted at 59 to 60c. per gallon, and yellow seal at 49 to 50c.

CASTOR OIL—East India, in cases, 9½c. per lb. and 10½c. for single tins; United States, in cases, 8½c., and 9½c. for single tins.

LINSEED OIL—Quotations to outside western points are (freight allowed): Raw, 1 to 4 barrels, 51c.; boiled, 1 to 4 barrels, 54c. Prices in Toronto, Hamilton, London, are 1c. per gallon less.

TURPENTINE—We quote for outside western points, freight allowed, 1 to 4 barrels, 63c.; in less quantities than barrels, 5c. per gallon extra will be added and packages charged for. Prices in Toronto, Hamilton, and London are 1c. less than the above. Terms, net 30 days.

GLASS.

A little business is being done. Prices are firm and unchanged. We quote: Star, first break in 50-foot boxes, \$1.80, and in 100-foot boxes, \$3.50; double diamond under 25 united inches, \$5.50, Toronto, Hamilton and London; terms 4 months or 3 per cent. 30 days.

OLD MATERIAL.

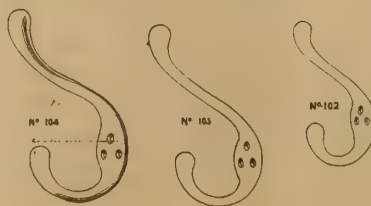
There is a good general demand, with metals especially active. We quote as follows: Agricultural scrap, 40c. per cwt.; machinery cast, 52c. per cwt.; stove cast scrap, 30c.; No 1 wrought scrap, 40c. 100 lb.; new light scrap copper, 8c. per per lb.; bottoms, 8c.; heavy copper, 8½ to 8¾c.; light scrap brass, 4 to 4½c.; heavy yellow scrap brass, 6c.; heavy red scrap brass, 7c.; scrap lead, 2½ to 2¾c.; zinc, 2¼c.; scrap rubber, 3½ to 3¾c.; good country mixed rags, 65 to 75c.; clean dry bones, 35 to 40c. per 100 lb.

PETROLEUM.

The demand continues active. Prices are steady and unaltered. We quote at Toronto: Canadian, 13½c; Sarnia water white, 15c.; American water white, 16½c.; Pratt's astral, 16c., in bulk.

COAL.

A good business is reported. There is no change in prices. We quote Anthra-



New Brassic Goods New Process New Prices

"Gunn's" Patent Detachable Castors,
Hat and Coat Hooks, Drawer Pulls,
General Cabinet Ironmongery.

THE GUNN CASTOR CO., Limited,
KNOX HENRY, Birmingham, Eng.
Canadian Agent, 220½ Board of Trade, MONTREAL.

cite at Buffalo and bridges: Egg, nut and stove, \$4.25 and per gross ton, or \$3.79 per net ton; grate, \$4 per gross ton, or \$3.57 per net ton.

MARKET NOTES.

Copper is $\frac{1}{2}$ c. per lb. dearer.

Wire nails are now quoted at \$1.80, Toronto, in less than carload lots.

M. & L. Samuel, Benjamin & Co. report that they are booking a good many orders for "Gordon Crown" brand of galvanized iron for spring delivery.

The liabilities of Craig, McArthur & Co., the insolvent wholesale dealers in plumbers' supplies, are estimated at between seven and eight thousand dollars, and the assets are nominally the same.

PERSONAL MENTION.

Mr. William Peaker, jr., member of the firm of Peaker & Son, Brampton, was in Toronto on Thursday. Mr. Peaker was armed with a sorting-up list and looked in upon several of the jobbing houses. "In the county of Peel," said Mr. Peaker, "the roads are in fine condition and we have had a grand winter's trade, which bids fair to last for some time yet. There is a great feeling of confidence in our section, and people are not slow to build and improve their holdings."

Mr. Burrows Ross, Montreal, Canadian representative of The Sewall & Day Cordage Co., Boston, was in Toronto this week.

DEATH OF MRS. CYRUS A. BIRGE.

It is with regret that the hardware trade heard of the death of Mrs. Birge, wife of Mr. Cyrus A. Birge, vice-president and manager of The Canada Screw Co., Hamilton. Deceased had been unwell for some time, but the immediate cause of death was pneumonia. The remains were interred at Oakville on December 24. Mr. Birge was also ill at the time of his wife's death, and although he was able to get up on the day she died, yet her demise proved such a shock that he had a relapse, and on the day of the funeral was confined to his bed. He is now, however, convalescing nicely. **HARDWARE AND METAL** extends its sympathy to Mr. Birge in the sad loss he has sustained.


HARDWARE BOOK WANTED.

A subscriber writes: "I understand there is published in Canada a book of information peculiar to hardware, written by an old hardwareman, if I mistake not, in Owen Sound or somewhere in Northern Ontario. Can you direct me where it may be procured and oblige?"

[Remarks: We have no recollection of such book. Can any of our readers furnish the desired information regarding this or any other hardware book?—Ed. **HARDWARE AND METAL.**]

76,800 Daily Production.
5 Factories.
5 Brands

For Sale all
over the world.



NICHOLSON
FILES

16 Governments.
85% R.R., 70% U.S. Contracts.
70% of Total Production of
America.

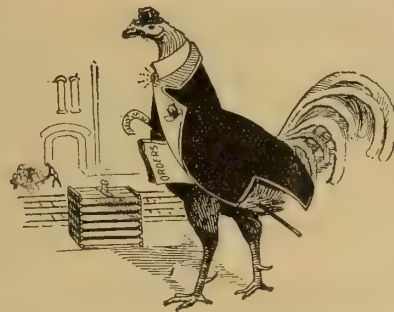
NICHOLSON FILE CO., Providence, R.I., U.S.A.

BRITISH PLATE GLASS COMPANY, Limited.

Established 1773

Manufacturers of **POLISHED PLATE, SILVERED PLATE, BEVELLED PLATE, CHEQUERED PLATE, AND ROUGH PLATE GLASS. BENDERS AND BRILLIANT CUTTERS.** Estimates and designs on application.

Works: Ravenhead, St. Helens, Lancashire. Agencies: 107 Cannon Street, London, E.C.—128 Hope Street, Glasgow—12 East Parade, Leeds, and 36 Paradise Street, Birmingham. Telegraphic Address: "Glass," St. Helens. Telephone No. 68 St. Helens.

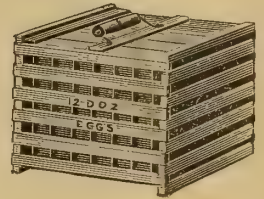


Our Game Drummer.

HAS NO EQUAL

Humpty Dumpty

Egg Crates



Size, 13-in. x 13-in. x 11-in.

Contains 12 dozen eggs.

NO BROKEN EGGS.

NO MISCOUNTS.

Light, Strong, Convenient, Cheap. Will save its cost many times every season. Once used, always used.

Every Farmer needs them. By removing Fillers they are most convenient for carrying Fruit, Vegetables, etc. Much more serviceable and in the long run, much cheaper than baskets.



The Leader Churn

(TWO STYLES.)

1898 Stand, with lever attachment.

1899 Stand, with Anti-Friction Steel Ball Bearings.

INTERNAL BREAKERS

Increase Yield—Reduce Time.

Your customers require the best churn.
Make no mistake—order Leaders.

SEND FOR PRICES

Made Exclusively by

The DOWSWELL MANUFACTURING CO., Limited

W. L. HALDIMAND & SON

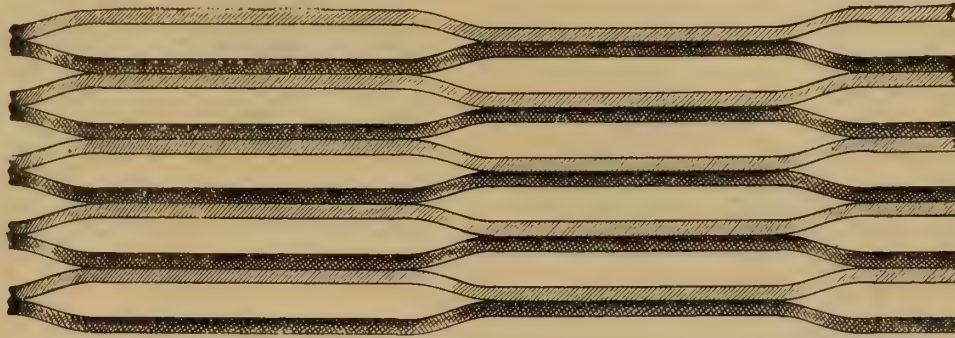
32 and 34 St. Dizier St., Montreal, Eastern Agents.

HAMILTON, CANADA.

Pedlar's

Patent *** Expanded Metal Lath

A METAL LATH THAT IS
STRICTLY UP-TO-DATE.

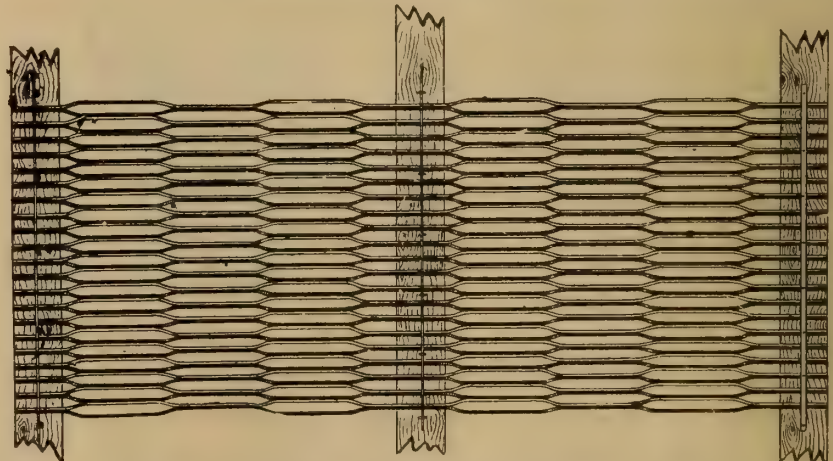


Cut shows full size of mesh.

The best Metal Lath on the market, because it is

**Cheapest
Most Practical
Easiest Applied**

Further
information
and prices
given on
request.



Cut shows various manners of applying to studs or joists.

Manufactured only by

THE PEDLAR METAL ROOFING CO.

OSHAWA - ONTARIO.

John Bowman Hardware and Coal Co.

180 to 182
York Street

LONDON, ONT.

Agents for the

**Sewall & Day Cordage Co's
Celebrated**

BINDER TWINE

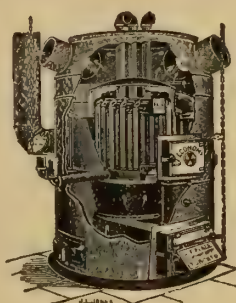
The finest goods on
the market.

Write us for prices.

ALL ESSENTIAL FEATURES

That are necessary in a satisfactory
and efficient Heating apparatus are
embodied in the

"ECONOMY" FURNACES and HEATERS



The "Economy"

Hot Water and Warm Air
Combination Heater.

Their durability is assured beyond
any question. Then, too, they are
simple in construction and operation;
have enormous heating capacity, and
are most economical in the use of
fuel. These are the points that are
considered by the careful and dis-
criminating buyer, and among such
buyers our Heaters are known as
"The Standard of Excellence."

Send for new Catalogue and
Price List.

J. F. Pease Furnace Co.

Heating and Ventilating Engineers

189-193 Queen St. East, TORONTO, ONT.

ABOUT HORSE-NAILS:—

**"It iz better knot to no quite so mutch,
thann to no a lot, that ain't so."**

With bank and other stocks, there is an accepted standard by which comparisons are made, to judge their relative values; a bank stock is quoted at "par," or above or below par, according to its accepted value by the purchasing public.

With horse nails, as with stocks, there is also a standard of value, which has always been accorded by the hardware trade in Canada to the "C" brand made by our company. This position has been obtained solely by the undoubted merits of the horse nails sold by us under this trade mark. They represent the results of an experience of thirty-three years in the manufacture of one article; the use of the best quality Swedish charcoal nail rods; adhering to the use of the "hot forged" hammered process; designing the best patterns, which give the maximum of strength with the minimum of weight; in brief, the best—and the best only—in every particular.

When any other makers claim for their horse nails all the points of excellence which are found in our brand, and yet, judged by their own quotations, and the price at which purchasers are willing to buy them, they are found below our "C" brand standard of value, is it not because the quality of the nails are below "par"? If their goods are equal to ours, why don't they command an equal price? The conclusion is a fair one: Simply because they are not worth as much.

We sell to the trade only. Our horse nails have the "C" brand and our name in full on each box; don't accept substitutes if you want the best.

We desire to thank all our patrons for their orders received during the current year, and wish them one and all a Happy New Year.

CANADA HORSE NAIL COMPANY
MONTREAL.



EVERYTHING for the Hardware and Colourman.

OIL Pure Linseed, raw and boiled. We are large users of Linseed Oil, and heavy stocks, carefully strained and tested, are maintained at Montreal, Toronto and Victoria, ready for immediate shipment.

ZINC "Elephant" Snow White. Finely ground, in all sized packages.
Florence White. Flake White.

GLUE Domestic, sheet and broken.
White Glue, Sinew Glue, Kalsomine Glue, Ground Glue.

PAINTS for Dipping—labor-saving and economical.
Every shade. Dry, in paste form or semi-paste.

STAINS Imitating the natural woods. Shingle Stains.
True to nature and thoroughly reliable.

JAPANS Practical painters appreciate a good dryer. The Canada Paint Company make a specialty of Japans and Dryers for every class of work.

SMALTS Black, Blue, Maroon, Purple, Scarlet,
Crimson, Chrome Green, Vermilion, Old Gold.

COLORS Our own manufacture.
The latest processes. The best results.

FILLERS The "Eureka," in paste form. Also dry
and liquid Fillers. Single Coat Surfacers.

BRONZE All shades. For Lining or Dusting.
Gold Leaf, the most reliable brand.

ENAMELS The artist's ideal.
For high-class finishing. All colors.

GRAPHITE For bridge, iron and roof painting.
The most durable paint extant.

CARRIAGE Specialties for Coach Painters. Body Primer,
Ground Rough Stuff, Red Lead, Red Ground Colors.

VARNISHES Our Varnishes are manufactured by experienced workmen, and each tank is carefully tested by experts before shipping. The works are extensive, and the following Varnishes are made and matured: Agricultural Implement, Boat, Carriage, Chair, Damar, Decorators, Finishing, Flowing, Lithographers, Mastic, Piano, Cabinet, Rubbing, Polishing, Shellac, etc.

TURPENTINE Pure Spirits, direct from the Pine Woods.
In good packages and guaranteed free from all adulteration.

WHITE LEAD The world-famous "Elephant" brand.
Munro's Selected Flake White. The Decorators' Pure.

READY-MIXED PAINTS The best selling brands, and undoubtedly
the best quality.

<p>TRIPLE STRENGTH COLORS</p> <p>THE MOST POWERFUL TINTER</p>

THE CANADA PAINT CO.

(LIMITED)

Montreal, Toronto
and Victoria.

SYSTEM IN ADVERTISING.

ALACK of system, of a definite plan or aim, is one of the mistakes into which many new advertisers fall. They become enthusiastic, dash off an advertisement, set aside an appropriation, and start in. If at this juncture they were asked to define just what they were attempting, they would be surprised to discover how little they knew of their ultimate aim.

Naturally, advertising so conducted fails of its purpose, and the experimenter is added to the army of those who know that advertising doesn't pay. Every advertiser should have a definite aim in view, and a definite plan; this plan he should not modify, except in details, until its worthlessness has been made apparent. Otherwise, he will be at the mercy of every plausible suggestion that crosses his path. Such suggestions he

should not discard without consideration, but he ought not to adopt them in lieu of his own plans unless he is firmly convinced that they are far superior. While an open mind, responsive to the ideas of others, is as requisite to advertising success as it is in other fields, the advertiser should not allow himself to be wafted, featherlike, by every suggestion that is broached. Consider it for what it is worth, and if it isn't worth anything, consign it to oblivion.—Fame.

ALEXANDER GIBB

Manufacturers' Agent and Metal Broker

22 St. John Street, Montreal.

Representing British and American manufacturers of
Tinplates, Tinned Sheets, Terne Plates, Canada Plates, Gal-
vanized Sheets, Imitation Russia Sheets Black Sheets—Iron
and Steel—Hoops and Bands, Proved Coil Chain, Brass and
Copper Sheets, Norway Iron and Steel, Wheelbarrows, etc.

R. C. LEVESCONTE

Barrister, Solicitor, Notary, Etc.

THE MCKINNON BUILDING
Cor. Jordan and Melinda Streets

... TORONTO

Telephone 689.
Cable "LeVesconte" Toronto.

**VanTuyl & Fairbank**

Petrolia, Ont.

Headquarters for . .

Oil and Artesian Well
Pumps, Casing, Tubing
Fittings, Drilling
Tools, Tables, etc.

PARIS ELECTRO PLATING CO.

Manufacturers of

Stove Trimmings, Piano and Organ Trimmings
Piano Stool Feet, Novelties, etc. Bicycle Work
a specialty. Special attention given to Job
Work of all kinds in Brass and Nickel Plating.

We have added a large moulding shop to our establish-
ment, and are making a specialty of fine castings.

PARIS ELECTRO PLATING CO., Paris, Ont.

Quotations gladly given.

The Portland Rolling Mills Co., Limited

Manufacturers of

Refined Bar Iron

Railway Spikes

Pressed Spikes

Nails and Tacks

"Diamond" Brand Horse Shoes

ST. JOHN, N.B.

**"JARDINE"****TIRE UPSETTERS
WILL UPSET TIRES**

Some machines sold as Upsetters will not.
Perhaps you make as much money on the
sale of a useless Upsetter as on a good
one, but your customer does not. He
don't want a machine because it is called
an Upsetter; he wants a machine to upset
tires. Sell him one of ours.

IT PAYS TO SELL THE BEST TOOLS

A. B. JARDINE & CO.
HESPELER, ONT.

SAVAGE REPEATING RIFLE

.303 CAL.

New 1899 Model

AGENTS:

Winnipeg, J. H. ASHDOWN

Toronto, RICE LEWIS & SON

Quebec, CAVERHILL, LEARMONT & CO.

LATEST and FINEST Rifle
manufactured.

Write for complete Catalogue W.

SAVAGE ARMS CO., Utica, N.Y., U.S.A.**Alabastine** (Church's).

To sell "Alabastine" is to be up to the hour—and the min-
ute. Progressive dealers will sell no more kalsomines or sub-
stitutes, because their customers won't buy them, after they
know Alabastine—the only permanent and absolutely Sanitary
Water Color Wall Coating known to science. "Alabastine"
and "Progress" are the self same thing.

Ready for use with cold water. Anyone can apply it.
It won't decay on the wall—won't rub off or peel. 76
beautiful tints, and white.

Profitable
leasing
ermanent

The Alabastine Co'y, Limited, Paris, Ont.

STEVENS RIFLES
THE FAVORITE

Send for our complete catalogue.

is made in three calibres

22, 25 and 32 Rim Fire

and is the best low-priced rifle made. Highest quality of work.
Accuracy guaranteed. Weight, 4½ lbs.

No. 17, Plain Sights— List \$ 8.00

No. 18, Target Sights— " 11.50

No. 19, Lyman Sights— " 12.00

J. STEVENS ARMS & TOOL CO.

For Sale by All Leading Canadian Jobbers
At Trade Discounts.

P.O. Box 215, CHICOPEE FALLS,
MASS., U.S.A.



Manufacturers of

Cotton, Jute, Hemp and Flax

Twines and Cordage

Mill Banding and Driving Ropes

Chalk and Fishing Lines

Seine Twine, Hammocks, Tennis

Cricket and Fly Nets

Cotton Rope and Clothes Lines

Plough Lines, etc.

HUTCHISON, SHURLY & DERRETT

1078 BLOOR STREET WEST, TORONTO.

HEATING AND PLUMBING

THE CAPACITY OF ACETYLENE GENERATORS.

THOSE who have taken up the sale of acetylene gas generators will be interested in the method of determining their lighting capacity, given in a pamphlet entitled "Acetylene Gas for Popular Lighting," issued by a Buffalo firm.

In choosing a generator do not be begoggled on the number of lights such an apparatus may be claimed to be sufficient for, but look to carbide capacity.

In our computation let us start with one pound of carbide; it yields nearly 5 cubic feet of gas. Now, as it takes $\frac{1}{4}$ foot of gas each hour to supply one 24-candle power acetylene light, this pound of carbide is calculated, by the manufacturers thereof, to suffice for one such light about ten hours if an accurately-gauged tip be used. Let us put it otherwise:

One pound carbide equals nearly 5 feet of gas from such a tip.

One-half foot of gas equals one 24-candle light for one hour.

Five feet of gas (about 1 pound carbide) equals one 24-candle light 10 hours.

Suppose, then, that the average house should use 10 of these 24-candle lights for two hours daily the year round, that would be the equal of one such light for 20 hours, and about two pounds of carbide would be used.

Taking the Standard Buffalo generator, which is recommended for all ordinary house lighting, its carbide capacity is 50 pounds. A smaller size holds 25 pounds. On the above basis one 50 pound charge of carbide should therefore last:

80 days for 3 lights of 2 hours daily,
50 days for 5 lights of 2 hours daily,
25 days for 10 lights of 2 hours daily,
12 days for 20 lights of 2 hours daily,
6 days for 40 lights of 2 hours daily,

and give equal satisfaction in each case. The use of a large generator is preferable in various ways, hence is always to be recommended.

The piping for common gas answers perfectly for acetylene. This is assuming that it does not leak, a matter most important in either case. Connect the generator service pipes with the pipes anywhere in the building, replace the old burner tips with the smaller acetylene ones, and you are equipped for the new gas.

Where a house is now piped for gas, the putting in of new piping for acetylene is a

trifling matter. Here, again, a point is scored for acetylene, because the smallness of the gas bulk used calls for pipes of smaller size than ordinary gas requires. In houses that are not fitted for gas, the small pipes may be let into a groove cut into the plaster, and afterward cementing over it with mortar or plaster paris, or papering over it, with its presence hardly suspected.

A GROWING PLUMBING-SUPPLY HOUSE.

IN order to keep ahead of the demand for the most modern and improved appliances in the heating and plumbing line, The Mechanics Supply Co., one of the leading supply-houses in Quebec, intend making extensive alterations in their showrooms and warehouses, and to have the same ready by April 1 next.

Their three large warehouses, having entrances on St. James and Dalhousie streets, are being overhauled, as increased accommodation for the quick handling of their immense stock has been found necessary. They now carry one of the largest stocks in the Province of Quebec, and have everything that a plumber, gas or steam-fitter, machinist or electrician may require. Their stock includes "Safford" radiators, in "Favorite," "Perfect" and "Florence" patterns, "Daisy" and "Gem" boilers, "Steel Clad" baths, Metallic Roofing Co.'s shingles, etc.

One has a good idea of the size of their stock by a recent order which they placed, comprising seven carloads of iron pipe and fittings, all of which was readily placed into stock.

As they carry a full line of black and galvanized malleable and cast iron fittings from $\frac{1}{4}$ to 6 inch, they have a special system of bins (one to each size), and covering one whole flat of warehouse No. 1, containing

some 1,000 bins. This enables them to fill an order very quickly, and any orders of whatever size can be shipped the same day as received.

During the past year they have added a full supply of electrical supplies, electroliers, etc., and will have a special showroom (dark) for the showing of these to customers or their clients.

From the very first they have carried a full line of supplies for acetylene gas, and are now getting out a very complete catalogue of the same in English and French, a copy of which will be sent on application.

PLUMBING AND HEATING NOTES.

At a meeting of The Soil Pipe Manufacturers' Association, of the United States, held December 15, existing prices on cast iron soil pipe and fittings were reaffirmed. It was agreed that these prices should hold good until February 1, 1899.

Arthur J. Martin, plumber, etc., Montreal, has assigned to Bilodeau & Renaud.

Building permits have been issued in Toronto to Geo. M. Bryan, for a two-storey and attic residence on the north side Walker avenue, near Yonge, to cost \$2,000, A. T. Wickson, architect, and W. Page & Co., builders; to Peuchen & Co. for a two-storey, metallic roofed shed, on Esplanade street, at the foot of Parliament street, to cost \$1,000, Peuchen & Co, builders; to C. Saunders, for a two-storey brick dwelling on Margueretta street, near College, to cost \$1,300, J. H. Scanlan, builder.

IT WAS AN ADVERTISEMENT.

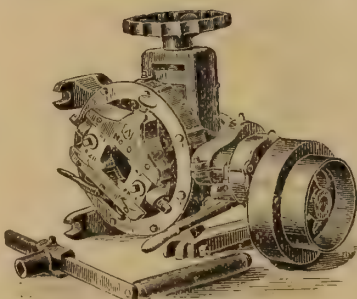
The article which appeared in **HARDWARE AND METAL** of the 17th inst., in regard to Boker's goods, was an advertisement, and should have been marked as such. It was through inadvertence that it was not.

ARMSTRONG PIPE THREADING AND CUTTING-OFF MACHINES

(Hand or Power)

Armstrong's Adjustable Stocks and Dies, Vises (hinged), Wrenches, Pipe Cutters, Clamp Dogs, etc.

Our goods are of the highest grade, and are celebrated for their time and labor saving qualities. Send for catalogue.



No. 0 Threading Machine, with power attachment.

THE ARMSTRONG MFG. CO.

New York Office:
139 Centre Street

Bridgeport, Conn.

THE ..
DOMINION RADIATOR COMPANY
 LIMITED

Dealers
 in the most complete line of

Steamfitters' Specialties

HEAD OFFICE and WORKS:

340 to 376 Dufferin Street

TORONTO, ONT.



Steam Traps, Separators
 Wrought Iron Pipe
 Cast and Malleable Fittings
 Also Galvanized Pipe and Fittings
 Brass and Iron Body Valves, etc.

FOX

All-Steel Sash Pulleys

THEY require no Screws—this means a saving of a gross of screws on every six dozen Pulleys.

THEY can be applied quicker than any other Pulley.

THEY are cheap, strong and durable.

NO NAILS NO SCREWS
JUST BORE FOUR HOLES

AIKENHEAD HARDWARE CO.
 Toronto.

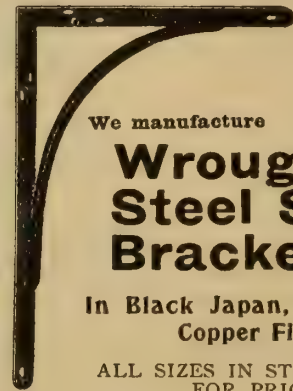
T. L. Paton.

30 St. Francois Xavier St., MONTREAL.
 Agent for: Spear & Jackson, Sheffield, saws, tools, etc.
 H. Coghill & Sons, Newcastle, borax, etc.; Starr Mfg. Co.
 Halifax N.S., skates; Atkinson Bros., Sheffield, cutlery.
 Wholesale trade only.

PLUMBERS' Supplies.

We have a new line of
 Bath Tub Seats at 75c.
 Send post card for circular.

The **JAMES MORRISON**
 Toronto. **BRASS MFG. CO., Limited**



We manufacture

Wrought Steel Shelf Brackets

In Black Japan, Nickel and
 Copper Finish.

ALL SIZES IN STOCK. SEND
 FOR PRICES.

H. R. IVES & CO., Montreal.

FACTS About Horse-Nails.

We never depreciate the quality of our competitors' goods.

WE DO SAY

That "Monarch" Horse-Nails are made from the best quality of Swedish stock. Are the safest to use, the best to drive, and will hold the shoes on longer and tighter than any other nail made in Canada. This is a strong statement, but testimonials from blacksmiths, which we are constantly receiving, confirm it in every particular.

A PENNY SAVED, IS A PENNY EARNED.

Two-thirds of one cent on each set of shoes is fifty cents on each box of twenty-five pounds of nails.
 We are always pleased to quote prices and send samples, and it will pay you to write us before purchasing.

MARITIME NAIL COMPANY, Limited
 ST. JOHN, N. B.

THOMAS DAVIDSON MANUFACTURING CO.'S. ANNUAL DINNER.

ON an egg-shaped tin card (which in olden times was the shape of the official English badge), in black base and gold letters, the following unique invitation was given :

Ye are requested to attende ye yerely banquette of ye Thomas Davidson Manufacturing Co., Limited, at ye Carslake Inne, ye City of Montreal, Canada. Ye 22nd daye of ye month of December, A.D., MDCCCXCVIII, at earlie candle lyte.

Sixty guests were present, comprising the president, directors, travelers, and heads of the various departments.

The menu-programme cards, as usual, were beautifully lithographed on tin, designed by the artists of the firm, and were finished in quaint old English style. The face of the card had in its centre a pretty English scene, above which were clusters of snow-drops, while below were jonquilles, two English flowers that bloom at the present season. The back was equally pretty in design. The card was in the form of a folder, neatly hinged, and within, on one side, the bill of fare was decidedly English, while the other was the programme. Artistic in the highest sense of the term, they formed fitting souvenirs of the memorable and happy occasion.

After ample justice had been done to the repast, the chairman, Mr. Lachapelle, mechanical superintendent, arose and proposed the health of "Our Queen," which was participated in with all the fervor, for which Canadians are noted.

In proposing the toast "Our Guests," the president, Jas. Davidson, expressed pleasure in meeting his fellow-workers in a social way, as well as to note the feelings of accord that existed between employer and employe. Speaking of the better state of trade this year had seen, Mr. Davidson thanked the employes for the way they had worked, especially under the difficulties caused by extensive alterations that had been made to increase the capacity of the plant, giving greater facilities for handling the growing business promptly, and with satisfaction.

Taylor Webb, representative for Western Ontario, responded, and, in tendering thanks, stated that in looking into the faces of those present, and realizing the many years that most of them had spent with the firm, he concluded that they knew a good thing, and knew how to keep it.

T. Charles Davidson, vice-president, ably replied in French to Mr. Williams' toast "The Thos. Davidson Manufacturing Co."

To the patriotic toast of "Canada," proposed in a few well chosen sentences by John Hamilton, secretary of the company, Edward Goodwill, one of the directors, responded, touching upon his recent trip to

Manitoba, British Columbia and California. An old time traveler, Mr. Goodwill knew well how to entertain his hearers with all the fun derivable from a traveler's experiences. His quaint recounting of a chance acquaintance with an American officer just recently returned from Manila, and that, during the course of an hour the surroundings became quite "Dew(e)y," was received with hearty peals of laughter.

The hit of the evening was made by J. F. Barratt, alias "Bilkem Barratt," who proposed "The Ladies" (who were conspicuous by their absence). Rising, Mr. Barratt, bottle and tumbler in hand, said : "Give them a bumper boys, 'the ladies,' "—nodding his head in the direction of the factory—"we have them every day with us, and we can't get along without 'em." His hearers were with him to a man, and in song voted all those descendants of Annanias and Sapphira who dared hint that "the ladies" were anything otherwise than jolly good fellows.

J. H. Davidson, son of the president, replying, dwelt upon the patriotic feelings that existed, and the possible call to arms that might come to us as Britons. While he would gladly respond to such a call, he hoped that the only call the future might have in store for us would be the arms of the "Ladies."

Nor were the French contingent behind their English confreres in entertaining, as, both in speech and song, they added materially to the pleasure of the evening. Foremost amongst these was J. S. Coursolle, whose rich bass voice not only charmed his audience in song, but his neat-

turned and well-timed remarks in excellent English eulogistic of the firm and their employes, called forth prolonged applause.

Vocal selections were given by Messrs. Watt, Chambers, Joyce, Coursolle, Duchesne, W. E. Barratt, J. F. Barratt, and Lauzon.

Dr. Haldimand, of The Thomas Davidson Co. Benefit Society, added much to the evening's enjoyment by both speech and song.

J. Williams, superintendent of the works, has just cause to feel proud of successfully conducting this, the most pleasant gathering in the history of one of Montreal's largest industries.

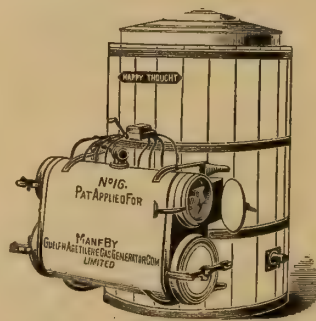
HARDWARE HOCKEYISTS.

At the first meeting of the Montreal Hardware Hockey League, the following officers were elected :

President—F. Ross Newman.
Vice-President—W. Beatty.
Hon. Sec.—Treas.—Thomas Moore.
Committee—George Boyd, George Morris, L. G. McMahon, J. Davidson, A. Irving.

The following schedule was arranged :

January 12—Thos. Robertson & Co., Limited, vs. Caverhill, Learmont & Co.
January 16—Montreal Rolling Mills Co. vs. Frothingham & Workman.
January 23—Montreal Rolling Mills Co. vs. Thos. Robertson & Co., Limited.
January 26—Caverhill, Learmont & Co. vs. Frothingham & Workman.
January 31—Montreal Rolling Mills Co. vs. Caverhill, Learmont & Co.
February 2—Thos. Robertson & Co., Limited, vs. Frothingham & Workman.
February 9—Caverhill, Learmont & Co. vs. Frothingham & Workman.
February 10—Frothingham & Workman vs. Thos. Robertson & Co., Limited.
February 16—Thos. Robertson & Co., Limited, vs. Montreal Rolling Mills Co.
February 17—Frothingham & Workman vs. Caverhill, Learmont & Co.
February 23—Caverhill, Learmont & Co., vs. Thos. Robertson & Co., Limited.
February 24—Frothingham & Workman vs. Montreal Rolling Mills Co.



ACETYLENE GAS

Perfect Light Perfect Safety

Our Machine is Automatic. Safe.

Sold only through the local Hardware and Plumbing Trades, etc.

No Peddling. Write Us.

THE GUELPH ACETYLENE GAS CO. Limited
GUELPH, ONT.



Factory at
Germantown Junction.

B.B. WROUGHT ORNAMENTAL PIPE STRAPS

Made also in Malleable Iron.

These are a distinct advance over the old plain straps, being much stronger and neater.

Write for Catalogue and Prices.

BERGER BROS. CO.

Tinners' Hardware and Roofers' Supplies,

PHILADELPHIA, PA. Office and Stores,
231 and 237 Arch Street.

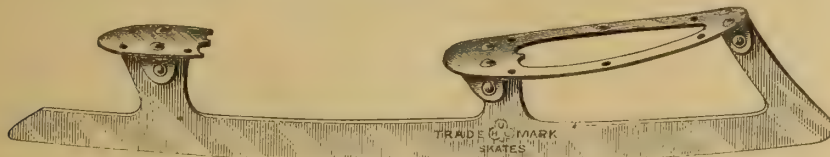
UNION HOCKEY SKATES



These goods will be found to be beautiful in design, finish and workmanship. The points of excellence are: **STRENGTH**, which is guaranteed. **WEIGHT**, which is light. **PROPER LINES** to fit sole of boot. **CORRECT EDGE** of blade, which insures power and speed. **HEIGHT** and **HANG** for ease of stroke and cutting corners.



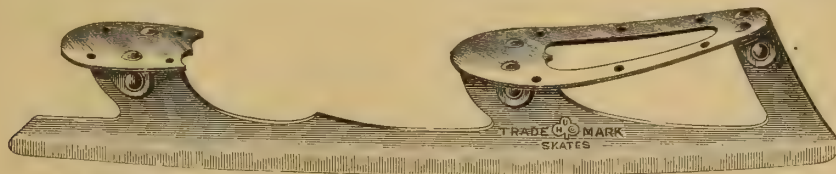
Plain Runner, Straight.



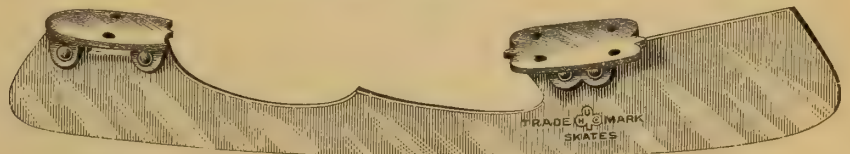
Plain Runner, Curved Blade.



Ribbed Runner.

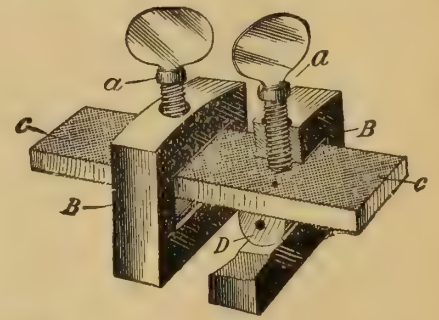


Ribbed Runner, Curved or Rocker Blade, for Ladies.



Victoria Club Skates.

UNION SKATE SHARPENER



UNION CLUB SKATES

**THESE
PATTERNS
MADE IN
ALL VARIETIES
OF FINISH AND
QUALITY**

**THE LARGEST
AND MOST COMPLETE
LINE ON THE MARKET**

Write for circular for full information for importing or we will tell you where they may be obtained in Canada.

UNION HARDWARE CO.

New York Office:

95 Chambers Street

TORRINGTON, CONN., U.S.A.

54 Years' Experience

WARNOCK'S Axes and Edge Tools have been on the Canadian market since 1844. They are unequaled in **Quality and Finish.** Always specify Warnock's Tools when buying.

JAMES WARNOCK & CO. - Galt, Ont.

CURRENT MARKET QUOTATIONS.

December 30, 1896

These prices are for such quantities and quantities as are usually ordered by retail dealers on the usual terms of credit, the lowest figures being for larger quantities and prompt pay. Large cash buyers can frequently make purchases at better prices. The Editor is anxious to be informed at once of any apparent errors in this list, as the desire is to make it perfectly accurate.

METALS.

Tin.

Lamb and Flag—
56 and 28 lb. ingots, per lb. 0 21 0 21½
Straits 0 00 0 21

Tin Plates.

Charcoal Plates—Bright.

M.L.S., equal to Bradley. Per box.
I.C., usual sizes \$5 00
I.X. 6 25
I.X.X. 7 50
J. R. & Co.—
I.C. 4 75 5 09
I.X. 6 00 6 25
I.X.X. 7 25 7 50
Famous—
I.C. 5 00
I.X. 6 25
I.X.X. 7 50
Raven & Vulture Grades—
I.C., usual sizes 3 50
I.X. 4 25
I.X.X. 5 00
I.X.X.X. 5 75
D.C., 12½x17 3 00
D.X. 3 75
D.X.X. 5 75

NOTE.—Other brands might be shaded by 25c per box.
Coke Plates—Bright.
I.C., usual sizes 3 00
I.C., special sizes, base. 3 15
20x28. 6 00 6 25
Charcoal Tin Boiler Plates.
Dean or J. G. Grade—
I.C., 20x28, 112 sheets 6 00
I.X., Terne Tin 7 50
I.C., Orion 6 00
I.X., Orion 7 25 7 50

Cooley Grade. Per lb.
X.X., 14x58, 50 sheet bxs }
" 14x60 " } 0 05½ 0 06
" 14x65 " }
Tinned Sheets.
72x30 up to 24 gauge. 0 05½ 0 06
" 26 " 0 06½ 0 06¾
" 28 " 0 07½ 0 07¾

Iron and Steel.

Common Bar, per 100 lbs 1 45
" from factory " 1 35
Refined " 1 60
Horse Shoe " 1 65 1 70
Band " 1 65 1 75
Hoop " 2 00
Swedish " 4 00 4 25
Sleigh Shoe Steel " base 1 75
Tire Steel 1 75
Machinery 1 95
Cast Steel, per lb. 0 10 0 11
Thos. Firth & Sons' Cast Steel 0 12 0 14
Russian Sheet, per lb. 0 10½ 0 11
Tank Plates, 1-5 and thicker. 2 00 2 25
Boiler Rivets 4 50 5 00

Boiler Tubes.

1½-inch 0 06½
2 " 0 07½
2½ " 0 09½
" 0 11

Steel Boiler Plate.

-16 inch 2 00
" 1 90

¾ inch and thicker. 1 75

Sheet Iron.

16 gauge and heavier. 2 50 2 70
18 to 20 gauge 2 25 2 50
22 to 24 " 2 30 2 40
26 " 2 40 2 50
28 " 2 50 2 60

Canada Plates.

All dull, 52 sheets 2 25
Half polished 2 35
All bright. 2 85 3 00

Iron Pipe.

Wrought pipe, per 100 feet, ¼ to ¾ inch, \$7.25 to \$13.1; ½ inch, \$2.3; to \$2.4; ¾ inch, \$2.8; 1 inch, \$1.9; 1½ inch, \$5.20; 1¾ inch, \$6.75; 2 inch, \$8.10.
Galvanized ½ inch, \$3.95; ¾ inch, \$4.80; 1 inch, \$1.75; 1½ inch, \$9.15; 1¾ inch, \$11.75; 2 inch, \$6.00. Cast soil, 2, 3, 4 and 5 inch, 60, 10 and 5 p. c.

Galvanized Iron.

Comet. Amer. Queen's
16 gauge. 3 00 3 75
18 to 24 gauge. 3 25 3 15 4 00
26 " 3 50 3 41 4 25
28 " 3 75 3 75 4 50

Chain.

Proof Coil, 3-16 in., per 100 lbs 25
" ¼ " " 4 65
" 5-16 " " 3 75
" ¾ " " 3 25
" 7-16 " " 2 85
" 1 " " 2 75
" 1½ " " 2 75
Trace, per doz. pairs. 3 60
Jack chain, iron, single, per doz. yards. 0 13 0 50
Jack chain, double, per doz. yards 0 15
Jack chain, brass, single, per doz. yards 20 10

Copper.

Ingot.
English B. S., ton lots 0 13 0 13½
Lake Superior
Bolt or Bar.
Cut lengths, round, ½ to ¾ in. 0 20 0 22
" round and square
1 to 2 inches. 0 19½ 0 20
NOTE.—Complete, lengths about 15 feet from 18½ to 19 cents a pound.

Sheet.

Untinned, 14 oz., and light, 16 oz., 14x48 and 14x60 0 16½ 0 17½
Untinned, 14 oz., and light, 16 oz., irregular sizes. 0 16½ 0 17½
NOTE.—Extra for tinning, 2 cents per pound, and tinning and half planishing 3 cents per pound.
Planished and tinned, 14x48 and 14x60 0 25 0 27
Braziers. (In sheets.)
4x6 ft. 25 to 30 lbs. ea., per lb. 0 17½
" 35 to 45 " 0 17
" 50-lb. and above, " 0 16½

Boiler and T. K. Pitts.
Plain Tinned, per lb 0 21
Spun, per lb. 0 25

Wire.

Pure, in coils—
From 1 to 20 gauge, 12½ p. c. off list.
From 20 gauge up, 12½ p. c. off list.

Brass.

Roll and Sheet, 14 to 30 gauge, 25 to 27½ p. c. off list.
Sheet's, hard-rolled, 2x4 19 0 20
Tubing, base, per lb. 0 21 0 22

Zinc Spelter.

Foreign, per lb. 0 05½ 0 06
Domestic, per lb. 0 04½ 0 05

Zinc Sheet.

5 cwt. casks 0 07½
Part casks 0 07½

Lead.

Imported Pig, per lb 4 00
Domestic, per lb 0 03½
Bar, 1 lb 0 05
Sheets, 2½ lbs. sq. ft., by roll. 0 05 0 05½
Sheets, 3 to 6 lbs., per sq. ft., by roll. 0 04½ 0 05
NOTE.—Cut sheets ½ cent per lb. extra.
Pipe, by the roll, usual weights per yard, lists at 7 cents per lb. and 25 per cent. discount.
NOTE.—Cut lengths, net price, waste pipe. in 8-ft. lengths, lists at 7½ cents.

Solder.

Bar half-and-half 0 13 0 13½
Refined 0 12½ 0 13
Wiping 0 12 0 12½
NOTE.—Prices of this graded according to quantity. The prices of other qualities or solder in the market indicated by private brands vary according to composition.

Antimony.

Cookson's, per lb 0 10 0 11
Other makes, per lb. 0 09 0 09½

White Lead.

Per cwt.
Pure, Assoc. guarantee, ground in oil, 25 lb. irons 5 75
No. 1 do 5 7½
No. 2 do 5 00
No. 3 do 4 6½
No. 4 do 4 2½
Robertson's Chemically Pure 6 00
Munn's Select Flake White 5 75
Elephant and Decorators' Pure 7 75
Brandram's B. B. Genuine 7 00
James genuine 6 95
" No. 1. 6 45

White Zinc Paint.

Elephant Snow White. 0 07
Pure White Zinc 0 08
No. 1. 0 07
No. 2. 0 06

Dry White Lead.

Pure, casks. 0 04½
Pure, kegs 0 04½
No. 1, casks. 0 04½
No. 1, kegs 0 04½

Prepared Paints.

(In ¼, ½ and 1 gallon tins.)
Pure, per gallon. 1 00
Second qualities, per gallon. 0 90
Barn (in bbls.) 0 70
The Sherwin-Williams Paints 1 20
Canada Paint Co's Pure 1 00
Robertson's Pure 1 00

Colors in Oil.

(25 lb. tins, Standard Quality.)
Venetian Red, per lb 0 07
Chrome Yellow 0 11
Golden Ochre 0 06
French 0 05
Marine Black 0 09
Green 0 09
Chrome 0 08
French Imperial Green 0 19

Colors, Dry.

Yellow Ochre (J. C.) bbls. per cwt 1 35 1 40
Yellow Ochre (J.F.L.S.), bbls. per cwt 2 75
Yellow Ochre (Royal), per cwt 1 10 1 15
Brisolia Ochre 2 00
Venetian Red (best), per cwt. 1 80 1 90
English Oxides, per cwt. 3 00 3 25
American Oxides, per cwt. 1 75 1 90
Canadian Oxides, per cwt. 1 75 1 90

Burnt Sienna, pure, per lb. 0 10
" Umber, " 0 10
" " " 0 09
Drop Black, pure 0 09
Chrome Yellows, pure 0 18
Chrome Greens, pure, per lb. 0 12
Golden Ochre 0 06½
Ultra marine Blue in 28-lb. boxes, per lb. 0 08 0 24
Fire Proof Mineral, per 100 lb. 1 00
Genuine Eng. Litharge, per lb. 0 07
Mortar Color, per 100 lb. 1 25
James' Gen. Red Lead, 100 lb. 0 44
Pure Indian Red, No. 45, lb. 0 08
Whiting, per 100 lb. 0 50

Paris Green.

Pure, in bbls.
250 lb. casks.
50 lb. drums
1 lb. packages
½ lb. "
¼ lb. "
1-lb. tins.

Sulphate of Copper.

Casks, for spraying, per lb. 0 04½
100-lb. cases, do. per lb.

Putty.

Bladders in bbls. 1 80
Bladders in 100 or 200 lb. kegs or bxs 1 95
Bulk in bbls., per 100 1 65
Bulk in less quantities. 1 80
25-lb. tins, 4 in c. case. 2 5
12½-lb. tins, 8 in case. 2 30
Quotations f.o.b. Toronto—10c. per 100 lbs. extra Hamilton, London Guelph. For quantities less than 100-lbs., 2½c. per lb.

Varnishes.

(In bbls.) per gal
Carriage, No. 1 1 50
Extra do. 2 50
Body Varnish 4 50
Furniture Varnish. 0 15
Extra do. 0 90
Demar Varnish 1 60
Hard Oil Finish. 1 40
Orange Shellac Varnish. 2 00
White Shellac 2 20
Rubbing Varnish 2 50
Polishing Varnish 2 50

Linseed Oil.

Raw, per gal. net. 0 59
Boiled, per gal. net 0 53
Outside points 1c. more than above figures

Turpentine.

1 to 4 barrels, net. 0 62
Outside points 1c. more.

Castor Oil.

In cases, per lb 0 10½
Small lots. 0 11½

Cod Oil, Etc.

Cod Oil, per gal. 0 50 0 55
Pure Olive 1 20
" Neatsfoot 90

Glue.

(In bbls.)
Common 0 05½ 0 09
French Medal 0 12 0 12½
Cabinet, sheet. 0 11 0 12
White, extra 0 16 0 18
Gelatine 0 22 0 30
Strip 0 16 0 18
Coopers 0 19 0 20
Al clear 0 09
Liquid Glue—F. LePage's, discount 20 to 25 per cent off list; Munn's, discount 25 to 30 per cent. off list.

HARDWARE.

Ammunition.

Cartridges.
R. B. Caps, Dom., 50 and 5 per cent.
Rim Fire Pistol, dia. 45 p. c., Amer.
Rim Fire Cartridges, Dom., 50 and 5 p. c.
Rim Fire, Military, net list, Amer.
Central Fire Pistol and Rifle, 18 p. Amer.

Central Fire Cartridges, pistol sizes, Dom 30 per cent.
 Central Fire Cartridges, Sporting and Military, Dom., 15 and 5 per cent.
 Central Fire, Military and Sporting, Amer. net list. B.B. Caps, discount 45 per cent. Amer.
 Loaded and empty Shells, "Trap" and "Amunition" grades, 25 per cent. Rival and Nitro, 17 p.c.

Canadian, common, 7½ per cent.
 Brass shot shells, 55 and 10 per cent.
 Primers, Dom., 30 per cent.
 Wads.

per lb
 Best thick white felt wadding, in ½-lb bags..... 1 00
 Best thick brown or grey felt wads, in ½ lb. bags..... 0 70
 Best thick white card wads, in boxes of 500 each, 12 and smaller gauges..... 0 99
 Best thick white card wads, in boxes of 500 each, 10 gauge..... 0 35
 Best thick white card wads, in boxes of 500 each, 8 gauge..... 0 55
 Thin card wads, in boxes of 1,000 each, 12 and smaller gauges..... 0 20
 Thin card wads, in boxes of 1,000 each, 10 gauge..... 0 25
 Thin card wads, in boxes of 1,000 each, 8 gauge..... 0 25
 Chemically prepared black edge grey cloth wads, in boxes of 250 each—
 11 and smaller gauge..... Per M. 0 60
 9 and 10 gauges..... 0 70
 7 and 8 gauges..... 0 90
 5 and 6 gauges..... 1 10
 Superior chemically prepared pink edge, best white cloth wads, in boxes of 250 each—
 11 and smaller gauge..... 1 15
 9 and 10 gauges..... 1 40
 7 and 8 gauges..... 1 65
 5 and 6 gauges..... 1 90

Anvils.
 Per lb..... 0 10 0 12½
 Anvil and Vice combined, each..... 4 50
 Wilkinson & Co.'s Anvils, lb. 09 0 09½
 Wilkinson & Co.'s Vices, lb. 09½ 0 10

Augers.
 Gilmour's, discount 65 p.c. off revised list.
 Hollow Stearn's, per dozen..... 13 90 20 00
 Adjustable Stearn's, each..... 4 50 6 50
 Foot-hole, Vaughan's, each..... 60 90
 Excelsior, Jennings's, discount 50 per cent.

Awls.
 Sewing, per gross..... 0 65 1 59
 Pegging, "..... 0 65 1 25
 Brad, "..... 0 85 1 60
 " handled, per gross..... 3 60 30
 Saddler's, per gross..... 0 45 1 60

Awl Hafts.
 Patent Peg, per gross..... 7 25 8
 Sewing, per gross.....
Awl and Tool Sets.
 Millar's Falls, per doz..... 2 80 3 30

AXES.
 Splitting Axes..... 5 25 5 50
 Chopping Axes—
 Single List, per doz..... 6 00 12 00
 Double List, "..... 11 00 18 00
 Bench Axes, 40 and 10 p.c.

Axle Grease.
 Per gross..... 6 00 13 00
Bath Tubs.
 Zinc, discount..... 3 90 4 00
 Copper, discount, 40 and 10 p.c. off revised list.
 Steel clad, 20 per cent. discount off revised list
 Boxing extra

Anti-Friction Metal.
 "Tandem" A..... per lb. 0 19
 " B..... " 0 16
 " C..... " 0 10½
 " Monarch" 1..... " 0 21
 " 2..... " 0 15
 " 3..... " 0 10
 " Canadian"..... " 0 08½
 Magnolia Anti-Friction Metal, per lb. 0 25
 No Name Metal..... " 0 15
 Mystic Metal..... " 0 10
 F. O. B. New York or Chicago.

Bells.
 Hand.
 Brass, 60 per cent.
 Nickel, 55 per cent.
 Door.
 Gongs Sargent's..... 5 50 8 00
 " Peterboro', discount 50 per cent.

Cow.
 American make, discount 66½ per cent.
 Canadian, discount 45 and 50 per cent.
 Farm.
 American, each..... 1 25 3 00
 House.
 American, per..... 0 35 0 40

Bellows.
 Hand, per doz..... 3 35 4 75
 Moulders', per doz..... 7 50 10 00
 Blacksmiths', discount 60 per cent.

Belt.
 Extra, 50 per cent.
 Standard, 50 and 10 to 50, 10 and 5 per cent.
 Agricultural, 60 and 10 p.c.

Bench Staps.
 Per doz..... 5 00 6 00
Bits.
 Auger.
 Gilmour's, discount 65 and 5 per cent.
 Excelsior, discount 60 per cent.
 Rockford Common, 70 to 70 and 10 per cent.
 " Perfection, 50 and 10 per cent.
 Jennings' Gen., net list to 5 p.c. discount.
 Car.
 Gilmour's, 47½ to 50 per cent.

Boles.
 Clark's 40 per cent.
 Excelsior, 10 per cent.
 Gimlet.
 Clark's, per doz..... 0 65 0 90
 Diamond, Shell, per doz..... 1 00 1 50
 Nail and Spike per gross..... 2 25 5 20

Blind and Bed Staples.
 All sizes, per lb..... 7½ 0 12
Boles.
 Carriage, dis., 60 and 10 to 70 p.c.
 Tire, dis., 70 and 5 per cent.
 Stove dis., 70 per cent.
 Elevator, dis., 35 to 40 per cent
 Machine, dis., 70 p.c.
 Coach Screws, dis. 70 and 10 p.c.
 Plough bolts, 60 p.c

Boring Machines.
 Complete, with augers, each.. 5 00 7 50
Braces.
 Barber's..... 6 00 7 75
 Barber's Ratchet..... 10 00 11 00
 Farmers..... 2 00 2 75
 Millar's Falls..... 15 50 29 00

Brackets.
 Shelf.
 Japanned Canadian, per doz. pairs..... 0 50 3 40
 Berlin Bronze Canadian..... 0 85 3 20

Broilers.
 Light, dis. 65 to 67½ per cent.
 Reversible, dis., 65 to 67½ per cent.
 Vegetable, per doz., dis. 37½ per cent.
 Henis, No. 8, "..... 6 00
 Henis, No. 9, "..... 7 00
 Queen City..... 7 50 0 00

Butchers' Cleavers.
 German, per doz..... 6 00 11 00
 American, per doz..... 12 00 20 00

Building Paper, Etc.
 Plain building, per roll..... 0 30
 Tarred lining, per roll..... 0 40
 Tarred roofing, per 100 lb..... 1 45
 Coal Tar, per barrel..... 3 75
 Pitch, per 100-lb..... 0 60

Butts.
 Brass.
 Wrought Brass, dis., 17½ p.c. revised list.
 Cast Iron.
 Loose Pin, dis. 70 per cent.
 Wrought Steel.
 Fast Joint, dis. 70, 10 and 5 to 75 p.c.
 Loose Pins, dis. 70, 10 and 5 to 75 p.c.
 Berlin Bronzed, dis. 70, 70 and 5 per cent.
 Gen. Bronzed, per pair..... 0 40 0 65

Can Openers.
 Acme, per gross..... 9 00 10 00
 Sardine Scissors, per doz..... 3 75 4 50

Card.
 Horse, per doz..... 0 60 1 00

Carpet Stretchers.
 American, per doz..... 1 00 1 50
 Bullards, per doz..... 6 50

Carpet Sweepers.
 Bisell, per doz..... 22 50
 World, "..... 21 75
 Daisy, "..... 24 00
 Star "..... 18 00
 Crown Jewel, per doz..... 29 00
 Grand Rapids, "..... 24 00 33 00

Cartridges.
 (See Ammunition.)

Castors.
 Red new list, dis. 55 to 57½ per cent.
 Plate, dis. 52½ to 57½ per cent.

Cattle Leaders.
 Nos 31 and 32, per gross..... 8 50 50

Cement.
 Canadian, Portland..... 2 50
 English..... 2 85
 Belgium..... 2 75
 Canadian hydraulic..... 1 20
 Figures are for barrel lots.

Chalk.
 Carpenters Colored, per gross..... 0 45 0 75
 White lump, per cwt..... 0 60 0 65
 Red..... 0 05 0 06
 Crayon, per gross..... 0 14 0 18

Chisels.
 Socket, Framing and Firmer.
 American, dis. 75 per cent.
 Canadian, dis. 40 and 5 per cent.
 Tanged firmer, per doz..... 0 85 4 00

Churns.
 Delivered from stock in Ontario: No. 0, \$2.85
 No. 1, \$3.35—No. 0, \$3.05—No. 3, \$3.60—No. 4, \$4.35—No. 5, \$5.75
 Delivered from stock, Montreal: No. 0, \$3.05—No. 1, \$3.25—No. 2, \$3.45—No. 3, \$3.80—No. 4, \$4.55—No. 5, \$6.05.

Clamps.
 Inds's, dis. 20 per cent.
 Stearn's, per doz..... 3 00 10 00

Clips.
 Axle dis. 65 per cent.

Closets.
 Washout, plain..... 3 25
 embossed..... 3 50

Coffee Mills.
 Box..... 3 60 13 00
 Side..... 3 60 4 00
 Enterprise, No. 0..... 1 35
 No. 2..... 70

Compasses, Dividers, Etc.
 American, dis. 62½ to 65 per cent

Cradles, Grain.
 Canadian, dis. 20 per cent.

Dies.
 Hart Mfg. Co. (pipe es), (Amer. list), dis. 40 per cent.
 Hart Mfg. Co. (bolt dies), (Amer. list), dis. 25 per cent.

Door Springs.
 Torrey's Rod, per doz..... (15 p.c. 2 00
 Coil, per doz..... 0 88 1 60
 English per doz..... 2 00 4 00

Draw Knives.
 American, dis. 70 and 10 per cent.
 Canadian, dis. 25, 50 and 10 per cent.

Drills.
 Hand and Breast
 Millar Falls, per doz..... 16 00 51 50
 P. S. & W., dis. 40 per cent.

DRILL BIT.
 Morse, dis. 37½ to 40 per cent.
 Standard, dis. 50 and 5 to 55 per cent.

ELBOWS.
 Stovepipe.
 Per doz..... 85 1 70

FAWCETS.
 Cork Lined, per doz..... 0 30 0 35
 Wine, per doz..... 1 30 3 25
 Star, "..... 2 80 3 90
 Fenn's Corkstops, No. 2, per dozen..... 1 70
 Petroleum, per doz..... 4 50 6 50

FILES.
 Globe File Mfg. Co.'s dis., files, 60 and 10 to 70 per cent.
 Black Diamond, 50 and 10 to 60 per cent
 Kearney & Foote, 60 and 10 per cent to 60, 10, 10.
 Nicholson File Co., 50 and 10 to 60 per cent.
 Jowitt's, English list, 25 to 27½ per cent.
 American, 60 to 60 and 5 per cent.
 Great Western, 60 and 10 per cent.
 Mechanics' Star & File Mfg. Co. Discount 60 and 10 to 70 per cent.

FLUTING MACHINES.
 Each..... 0 60 2 00

FORKS.
 Hay, manure, etc., dis., 60 and 10 to 60, 10 and 5 p.c. revised list.

FREEZERS.
 Ice Cream.
 Gem from \$1.25 to \$7 net.
 White Mountain, 1 to 25 qt... 1 35 13 50
 Arctic, dis. 50 p.c.

FRUIT PRESSES.
 Henis, per doz..... 3 25 3 50
 Shepard's Queen City, dis. 15 per cent.

FRY PANS.
 Acme, dis. 65 to 67½ per cent.

GAUGES.
 Marking, Mortise, Etc.
 Stanley's, dis. 50 to 55 per cent.

Wire Gauges.
 Winn's, Nos. 28 to 33, each.... 1 65 2 40

GLASS.
 Window.
 Box Price.

Star.
 Double Diamond
 Per 50 ft. Per 100 ft. Per 100 ft.

Under 25.
 26 to 40..... 1 80 3 50 5 50
 41 to 50..... 1 95 3 80 6 00
 51 to 60..... 4 20 6 75
 61 to 70..... 4 80 8 75
 71 to 80..... 5 20 9 75
 81 to 85..... 5 80 10 75
 86 to 91..... 6 80 13 00
 91 to 95..... 14 75
 96 to 100..... 16 75
 101 to 105..... 18 75
 106 to 110..... 22 75

GLUE POTS.
 Tinned, each..... 0 30
 Enamelled each..... 0 55

GRINDSTONE FIXTURES.
 Per doz..... 3 60 4 00

HALTERS.
 Rope ¾ per gross..... 8 25 8 5
 " ½ "..... 9 25 9 50
 " ¼ "..... 11 00 11 25
 Leather, 1 in. per doz..... 3 87½ 4 00
 " 1½ in. "..... 5 15 5 15
 Web, — per doz..... 1 87 2 40

HAMMERS.
 Nail
 Maydole's, dis. 5 to 10 per cent. Can., dis. 25 to 27½ per cent.

Tack.
 Magnetic per doz..... 1 10 1 20

Sledge.
 Canadian, per lb..... 0 07½ 0 08½

Ball Pean.
 English and Can., per lb..... 0 22 25

HANDLES.
 Axe, per doz., net,..... 1 50 2 60
 Store door, per doz..... 1 00 1 50
 Chest, per doz. pairs..... 0 40 2 50

Chisel.
 Firmer, per gross..... 3 00 4 50
 Socket Firmer, per gross..... 3 25 8 00
 Socket Framing, per gross..... 3 75 5 00

Fork.
 C. & B., dis. 45 per cent. rev. list.

Hoe.
 C. & B., dis. 45 per cent. rev. list.

Saw.
 American, per doz..... 1 00 25

Plane.
 American, per gross..... 3 1

Hammer and Hatchet.
 Canadian, 45 per cent.

Cross-Cut Saw.
 Canadian, per pair..... 0 13½ 0 20

HANGERS.
 Door, 4 and 5 inch, per pair.. 0 40 0 50
 Lanes, 6½ per cent.

HATCHETS.
 Canadian, dis. 40 to 42½ per cent

HINGES.
 Blind, Parker's, dis. 60 and 10 to 65 per cent
 " Shepard's Noiseless, dis. 60 per cent.
 " Buffalo, dis. 60 to 70 p.c.
 Light T and strap, 70 and 10 p.c.
 Heavy, per lb..... 0 03½ 0 04½
 Screw hook and hinge—
 6 to 12 in., per 100 lbs..... 3 15
 14 in. up, per 100 lbs..... 2 35
 Per doz. set
 Screw, Eureka..... 1 13 1 80
 Gate, Clark's..... 1 50 2 20
 " Shepard's, dis. 50 to 60 per cent.
 Spring..... Per gro. pair 9 50
 " Shepard's Samson..... 1 20

HOES.
 Garden, Mortar, etc. dis. 60, 10 and 5 p.c.
 Planter, per doz..... 4 00

HOOKS.
 Cast Iron.
 Bird Cage, per doz..... 0 50 1 10
 Clothes Line, per doz..... 0 27 0 63
 Harness, per doz..... 0 72 0 88
 Hat and Coat, per gross..... 1 00 3 00
 Chandelier, per doz..... 0 50 1 00

Wrought Iron.
 Wrought Hooks and Staples, Can., dis. 47½ per cent.

Wire.
 Hat and coat, dis. 60 to 60 and 10 p.c.
 Belt, per 1,000..... 0 60 0 70
 Screw, bright, dis. 65 and 10 per cent

HORSE NAILS.
 "C" brand, 50 p.c. dis.
 " M " brand 50 p.c.
 " F. B. " brand 50 p.c.
 Acadian, 50 and 20 p.c., countersunk head

HORSE SHOES.
 F.O.B. F.O.B.
 Iron Shoes. Montreal Toronto
 Light, medium, and heavy.. 3 15 3 25
 Snow shoes..... 3 40 3 50

Steel Shoes.
 Light, all sizes..... 3 35 3 45
 Extra light..... 4 50 4 60
 Toe weight (steel)..... 5 50 5 60

***At Hamilton, London, Guelph, St. John. Halifax.**

ICE PICKS.
 Star, per doz..... 3 00 3 25

KETTLES.
 Brass spun, 7½ p.c. dis. off new list.
 Copper, per lb..... 0 30 35
 American, 60 and 10 to 65 and 5 p.c.

KEYS.
 Lock, Can., dis. 50 p.c.
 Cabinet, trunk, and padlock,
 Am. per gross..... 1 60

KNOBS.
 Door, Japanned and N.P., per doz..... 0 90
 Bronze, Berlin, per doz..... 2 75 3 25
 Bronze Genuine, F. & L. 6 00 9 00
 Shutter, porcelain, F. & L. screw per gross..... 1 30 4 00

KNIVES.
 Claus, bread, cake, and paring knives, \$7.00 doz. sets net. to 10 per cent.
 Christie, bread, cake, and paring knives, \$7.00 doz. sets with 10 p.c. off.
 Hay knives, spear point, L or T handle, 60 10 and 5 per cent.
 Lightning, per doz..... 6 50 8 40
 Heath's, \$7.75 net.

LADLES.
 Melting, per doz..... 1 70 4 50

LEMON SQUEEZERS.
 Porcelain lined, per doz..... 2 20 5 60
 Galvanized, "..... 1 87 3 81
 King, wood, "..... 2 75 2 90

King, glass,	4 00	4 50
All glass	1 20	1 30
LINES.		
Fish, per gross.....	1 05	2 50
Chalk	1 90	7 40

LOCKS.		
Canadian, dis. 50 p.c.		
Russell & Erwin, per doz....	1 75	7 50
Cabinet,		
Eagle, dis. 30 p.c.		

Padlock.		
English and Am., per doz....	50	6 00
Scandinavian,	1 00	2 40
Eagle, dis. 15 to 17½ p.c.		

MACHINE SCREWS.		
Iron and Brass.		
Flat head, discount 25 p.c.		
Round Head, discount 20 p.c.		

MALLETS.		
Tinsmiths', per doz.....	1 25	1 50
Carpenters', hickory, per doz.	1 25	3 75
Lignum Vitae, per doz.....	3 85	5 00
Caulking, each	1 60	2 00

MATTOCKS.		
Canadian, per doz.....	8 50	10 00
American, 60 and 10 p.c. off list.		

MEAT CUTTERS.		
American, dis. 30 to 32½ p.c.		
German, 15 per cent.		

MINCING KNIVES.		
American, per doz.....	0 42	2 35

MOLASSES GATES.		
St bbin's Patent, dis. pre cent., 77½ per cent.		

NAILS.		
Quotations are:	Cut.	Wire.
2d. and 3d.....	\$2 75	\$2 75
3d.....	2 40	2 41
4 and 5d.....	2 15	2 15
6 and 7d.....	2 05	2 05
8 and 9d.....	1 90	1 90
10 and 12d.....	1 85	1 85
16 and 20d.....	1 80	1 80
30, 40, 50 and 60d. (base)....	1 75	1 75

Steel Cut Nails 10c. extra.		
Brads and finishing nails, special sizes, 80 p.c. from new list.		

NAIL PULLERS.		
German and American.....	1 85	3 50

NAIL SETS.		
Square, round, and octagon, per gross.....	3 38	4 00
Diamond	12 00	15 00

NETTING.		
Poultry, 67½ per cent. for imported, 55 per cent. for McMullen's.		

OIL.		
Canada refined oil (Toronto)....	0 14	
Carbon safety	0 16½	
American w. w.	0 17½	
Pratt's Astral.....	0 17	

OILERS.		
McClary's Model galvan. oil can, with pump, 5 gal., per doz.....	0 00	9 00
Zinc and tin, dis. 50, 50 and 10.		
Copper, per doz.....	1 25	3 50
Brass,	1 50	3 50
Malleable, dis. 25 per cent.		

PAIS.		
Galvanized, per doz.....	1 85	3 00

PENCILS.		
Dixon's, per gross.....	1 00	4 25
Carpenter.....	2 25	3 60

PICKS.		
Per doz	6 00	9 00

PICTURE NAILS.		
Porcelain head, per gross.....	1 40	3 00
Brass head,	0 40	1 00

PIPE CUTTING MACHINERY		
Forbes Patent Die Stocks.—Curtis & Curtis, Mfrs., Bridgeport, Conn.		
No. 30 Hand Machine, range ¼ to 2 in. R. & L.	\$ 50 00	
No. 38 Hand Machine, range 1½ to 4	100 00	
No. 56 Hand Machine, range 2½ to 6	175 00	

PLANES.		
Wood, bench, Canadian dis. 55 per cent. American dis. 55.		
Wood, fancy Canadian or American, 37½ to 40 per cent.		
Bailey's (Stan. R. & L. Co.), 50 to 50 and 5 p.c.		
Miscellaneous, dis. 25 to 27½ per cent.		
Bailey's Victor, 25 per cent.		

PLANE IRONS.		
English, per doz.....	2 00	5

PLIERS AND NIPPERS.		
Button's Genuine, per doz pairs, dis. 37½ 40 p.c.		
Button's Imitation, per doz....	5 00	9 00
German, per doz.....	0 60	2 60

PLUMBS AND LEVELS.		
S.R. & L. Co., dis. 70 and 5 to 70 and 10 p.c.		

POPPERS.		
Corn, square, per doz.....	1 35	2 00

PRUNING SHEARS.		
Per doz	4 00	5 50

PULLEYS.		
Hothouse, per doz.....	0 55	1 00
Axle, R. H.	0 22	0 33
Screw	0 27	1 00
Awning.....	0 35	2 50

PUMPS.		
Canadian cistern	1 40	2 25
Canadian pitcher spout.....	1 15	3 00

PUNCHES.		
Saddlers', per doz.....	1 00	1 85
Conductors', "	9 00	15 00
Tinners' solid, per set.....	0 00	0 72
" hollow, per inch.....	0 00	1 00

RAIL.		
Barn door, per foot.....	0 02½	0 02½
Sliding door, "	0 03½	0 03½
Lanes,	0 02½	

RAKES.		
Cast steel and malleable Canadian, list dis. 60 to 60, 10 and 5 p. c. revised list.		
Wood, 25 per cent.		

RASPS AND HORSE RASPS.		
New Nicholson horse rasp, discount 60 p. c.		
Globe File Co.'s rasps, 6 and 10 to 70 p. c.		
Toronto File Co.'s rasps, 60 and 10 to 70 p. c.		
Heller's Horse rasps, 5 and 10 to 5 and 5 p. c.		

RAZORS.		
Geo. Butler & Co.'s, per doz..	8 00	18 00
Bokers',	7 50	11 00
Wade & Butcher's, "	3 60	10
Arbenz's,	9 00	18
Theile & Quack's "	7 00	12

RAZOR STROPS.		
Currier's, per doz.....	1 25	3 60

RIVETS AND BURRS.		
Carriage, Section, Wagon Box Rivets, etc. (Steel), 65 p.c.		
Carriage, Section, Wagon Box Rivets, etc. (Norway Iron), 60 p.c.		
Black M. Rivets (Steel), 65 p.c.		
Black and Tinned Rivets, 60 and 5 to 65 and p.c.		
Copper Rivets & Burrs, 45 p. c. 3ia.		
" in ½-lb. boxes and cartoons, 1c. per lb. extra, net.		
Burrs, iron or steel, 55 and 5 per cent.		
Terms, 4 mos. or 3 per cent. cash 30 days.		

RIVET SETS.		
Canadian, dis. 35 to 37½ per cent.		
ROPE, ETC.		
7-16 in. and larger, per lb. 9%	Sisal.	Manilla
¾ in.	10%	11%
¾ and 1-5 in.	10%	11%
Cotton	13%	14%
Russia Deep Sea	14%	15%
Jute	6¾	7½
Lath Yarn	8¾	9½
New Zealand Rope.....	9½	

RULES.		
Crosswood, dis. 80 and 10, to 80 and 12½ p. c.		
Ivory, dis. 37½ to 40 p.c.		

SAD IRONS.		
Mrs. Potts, per set.....	0 62½	1 00
" N.P., per set.....	90	

SAD HEATERS.		
Dome, Shepard's, per doz....	4 75	5 00

SAND AND EMERY PAPER.		
Dominion Flint Paper, 47½ per cent.		
B. & A. sand, 40 and 2½ per cent.		
Emery, 40 per cent.		

SASH CORD.		
Per lb.....	0 20	0 50

SASH LOCKS.		
Triumph and Morris, dis. 37½, 40 percent.		
Kempshell's, dis. 40, 62½ per cent.		
Canadian, dis. 45, 50 per cent.		

SASH WEIGHTS.		
Sectional, per 100 lbs	1 40	1 75
Solid,	1 25	

SAWS.		
Crosscut, McMillan & Haynes, per dozen	0 40	0 70
'Empire,' McMillan & Haynes, per ft.	0 70	
Hand, Diston's, dis. 12½ to 15 p. c.		
S. & D., 40 to 40 and 10 per cent.		
Crosscut, Diston's, per ft.	0 35	0 55
S. & D., dis. 35 p.c. on Nos. 2 and 3.		
Hack, complete, each.....	0 75	2 75
" frame only.....	0 75	

SAW SETS.		
" Lincoln," McMillan & Haynes, per doz.	6 00	7 50
Whiting	5 63	7 00

SCALES.		
Gurney Scales, 50 p.c.		
R. S. & M. Scales, 50 p.c.		
Champion, 60 per cent.		
Fairbanks Standard, 45 p.c.		
Dominion, 67 p.c.		
Richelieu, 60 p.c.		
Chatillon Spring Balances 25 p.c.		

SCRAPERS.		
Box, per doz.....	2 10	4 50
Root,	0 40	3 50

SCREENS.		
Door, patent, per doz.....	6 50	11 00
Window, per doz.....	2 00	2 75

SCREW DRIVERS.		
Sargent's, per doz.....	85	00

SCREWS.		
Wood, F. H., iron, and steel, dis. 87½ p. c.		
Wood, R. H.	dis. 80 p.c.	
" F. H., brass, dis. 82½ p. c.		
Wood, R. H.	dis. 75 p.c.	
Drive Screws, 87½ per cent.		
Bench, wood, per doz.....	3 25	4 00
" iron,	4 25	5 75

SCYTHES.		
Discount, per doz. net.....	4 50	6 00

SCYTHE SNATHS.		
Canadian, dis. 50 p.c.		

SHEARS.		
B. & W., japanned, dis. 75 p.c.		
B. & W., N.P., dis. 65 p.c.		
Seymour's, dis. 60 p.c.		
Etna, dis. 75 to 75 and 10 p.c.		
Heinisch, dis. 60 p.c.		
Bristol, japanned, 80 p.c.		
" N.P., dis. 70 p.c.		
Claus, full nickel, 60 p.c.		
" japanned handles, 67½ p. c. off.		
Seymour or Heinisch tailor shears, 15 p. c.		

SHEAVES.		
Sliding door, per set.....	0 77	1 40

SHOVELS AND SPADES.		
Canadian, dis. 40 and 10 to 45 and 2½ p. c.		

SIEVES.		
Wood rim, black, per doz....	1 05	1 10
" tinned,	1 25	1 35
Tin rim, per doz.....	2 30	2 45
" black.....	1 85	2 25

SNAPS.		
Harness, German, dis. 35 to 37½ p. c.		
Acme	3 00	5 00
Lock, Andrews'.....	4 50	11 50

SOLDERING IRONS.		
Per lb	0 25	

WROUGHT SPIKES.		
Discount, 35 to 40 per cent.		

SPOKE SHAVES.		
Wood, English	1 80	5 00
ron, American	1 35	2 35

SPOONS AND FORKS.		
Tea spoons, per gross.....	7 50	12 00
Dessert,	21 00	00 00
Table,	30 00	30 00
Dessert Forks,	24 00	00 00
Medium	27 00	00 00
Table	36 00	00 00

SQUARES.		
Iron, per doz.....	1 65	2 9
Steel, dis. 70 per cent., revised list.		
Try and bevel, dis. 50 to 52½ p. c.		

STAPLES.		
Galvanized	2 00	
Bright	1 00	

STEP LADDERS.		
BORCKH BROS. & COMPANY.		
Best grade, from 3 to 10-ft. long per foot, 160		
2nd grade, 3 to 10-ft., per foot, 10c.		

STOCKS AND DIES.		
American, dis. 25 p.c.		

STONE.		
Washita, per lb.....	0 28	0 60
Hindustan,	0 06	0 07
" slips, per lb.....	0 09	0 09
Labrador,	0 13	
" Axe,	0 15	
Turkey	0 50	</

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.. Manufacturers of ..
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THOS. C. IRVING, Superintendent

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HAMILTON STAMP AND STENCIL WORKS

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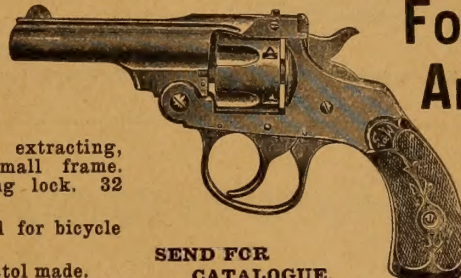
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NEW Automatic shell extracting, double action, small frame. Weighs 12 oz. Rebouncing lock. 32 caliber. 5 shot.

Made with shorter barrel for bicycle use.

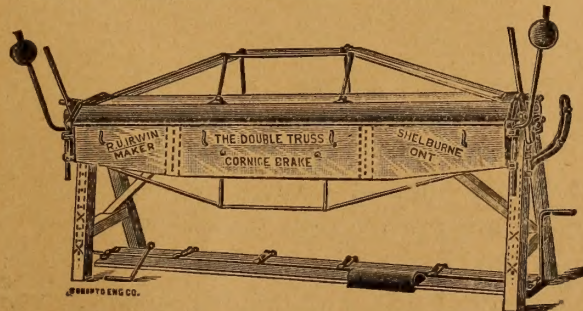
The most perfect small pistol made.

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Forehand Arms Co.

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This eight-foot Brake bends 22-gauge iron and lighter, straight and true.

Price, \$50

Very handy beader attachment, \$10 extra, if required.

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The Safety Light and Heat Co. have in successful operation machines from 5 to 200 lights.

Simplicity and safety are the leading features. Being deeply water sealed it cannot leak. It makes the gas cool, washes it twice, and thus makes only pure gas. Never clogs the burners.

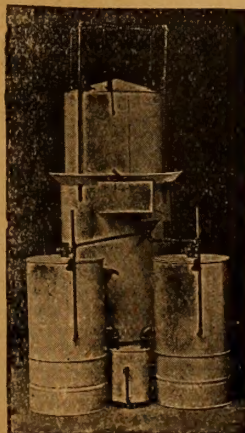
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BLUESTONE

HIGH PRESSURE PACKING

FOR STEAM

HOT or COLD WATER and AIR.

Packs equally well for all.

There is no Packing made that will last as long or withstand as well the action of Steam Heat.

Stock rolls about 36 inches wide and 1/32, 1/16, 3/32, or 1/8 in. thick.

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THE GUTTA PERCHA AND RUBBER MFG. CO.

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61-63 FRONT ST. WEST, TORONTO.

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PAINT DEALERS OF CANADA.

263-285 King Street West.

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DEAR SIRs,—We beg to thank you one and all for your most generous and hearty support during the past year, which has been, we are happy to say, our most prosperous and biggest year on record. We firmly believe, however, that the coming year will be even greater than last, because, as the people become better and better acquainted with our goods, the more we are bound to sell. "Guaranteed satisfaction" has always been the rule with all our goods.

Wishing you all the compliments of the season and A Happy New Year. We are,

Yours, very truly,

The James Robertson Co.

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The Paint Makers.

